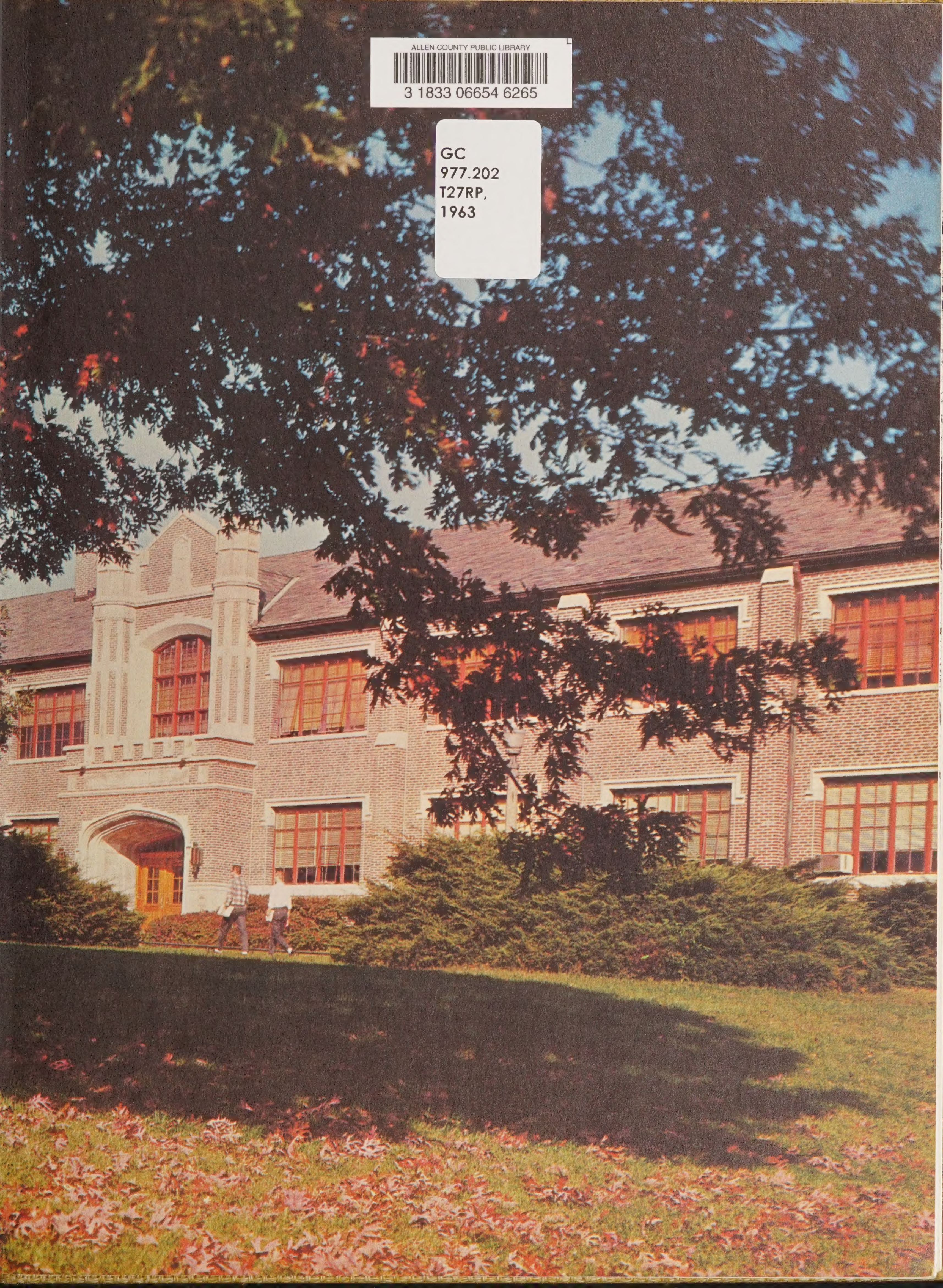
Modulus 1963

ALLEN COUNTY PUBLIC LIBRARY
3 1833 06654 6265

GC
977.202
T27RP,
1963



J Kuzmanovich

ROSE POLYTECHNIC INSTITUTE

TERRE HAUTE, INDIANA

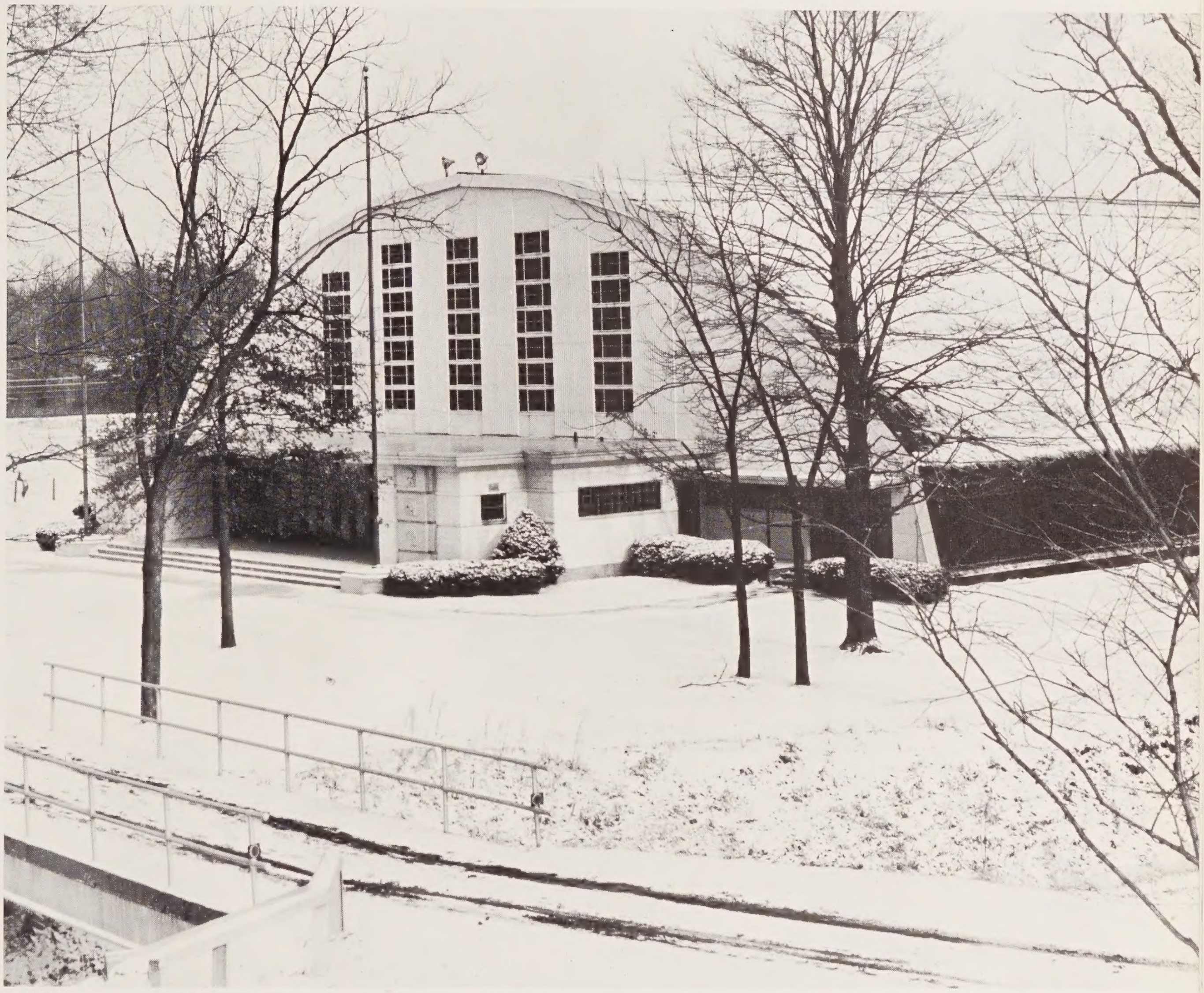
Modulus 1963

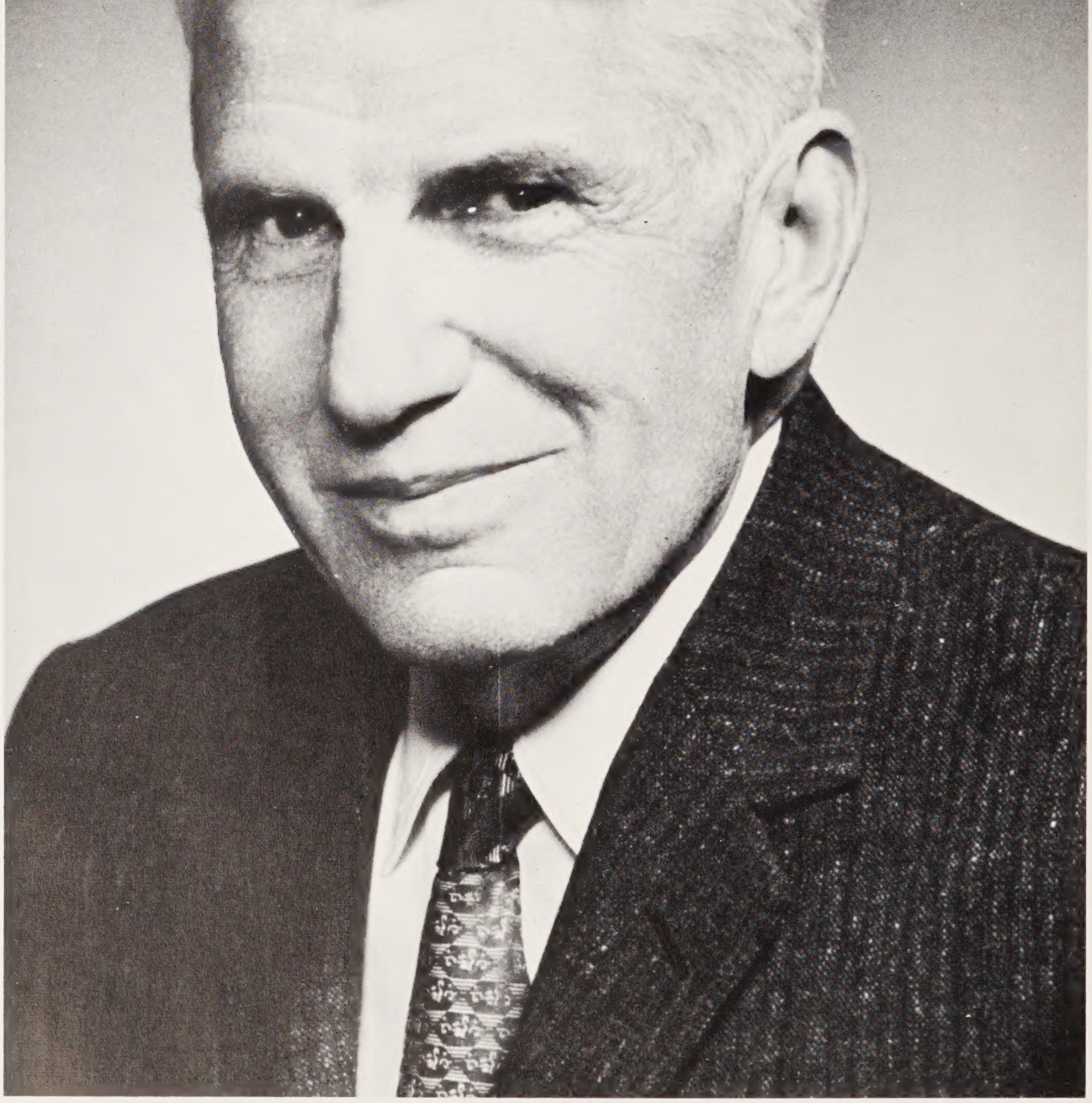
RICHARD C. RAPSON, JR.
Editor
BRONIS R. de SUPINSKI
Business Manager
JACK COX
Managing Editor

ORGANIZATIONS 34
FRATERNITIES 52
SPORTS 66

STUDENT
CENTER

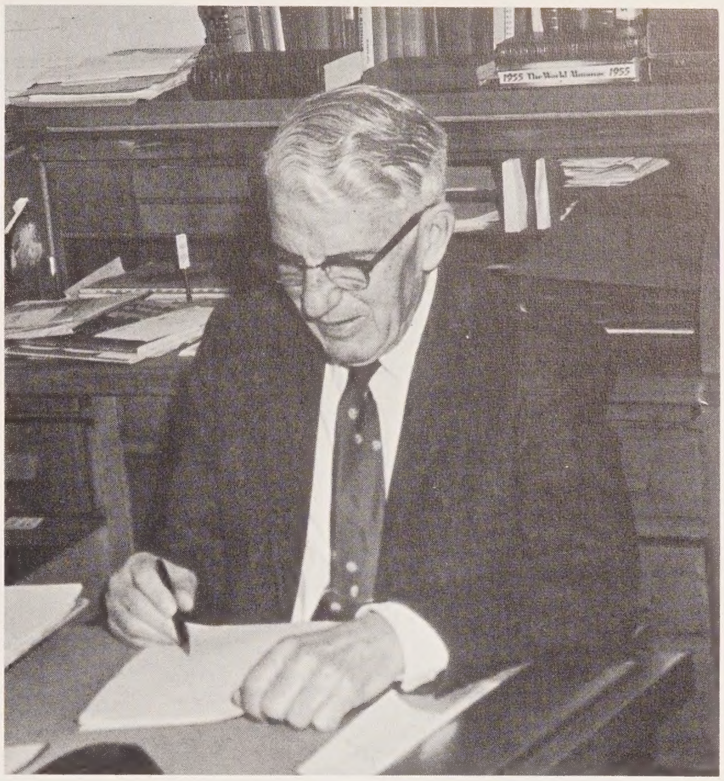
ACADEMICS 84
CLASSES 112
ADVERTISING 142





DEDICATION

Prof. MacLean chatting with a Rose Alumnus, Brent Robertson.



Prof. MacLean, as seen through his office door.

Prof. Edward A. MacLean

Prof. Edward A. MacLean came to Rose in 1938 as Professor and Head of Civil Engineering. He retired from that position in September, 1962. During his active years at Rose he helped guide many young men into careers as competent engineers. It is only fitting, then, that the 1963 MODULUS be dedicated to Prof. MacLean, a devoted teacher, a man of high professional integrity, and a true friend.

When he came to Rose, Prof. MacLean was well qualified as a teacher for he had taught at other engineering schools and had practical experience as a structural engineer. He graduated from the University of Maine, attended the Sorbonne, and obtained a Master of Science degree from the University of Illinois. At Illinois he studied under Prof. Hardy Cross, a great teacher and structural engineer.

As a teacher Prof. MacLean taught more than just the material presented in the text. While not teaching courses in professional ethics, honesty, integrity, and perseverance, the students who sat in his classes remember well those traits that he, through his example, passed on to them. Students will also remember the rigor of his courses in mechanics and structures; and, while his theory "A little work never hurt anyone" pinched the student at the time, many of these men later realized the truth of the saying.

As a structural engineer Prof. MacLean was consulted on many occasions. Other engineers had a high regard for his ability and opinion. His classes in structural analysis were enriched from his experiences as a bridge engineer for the Maine State Highway Department and as a stress analyst for the Bell Aircraft Company.

The door to Prof. MacLean's office was always open to all students. As a friend he gave encouragement to many students and was forthright with them in pointing out their attributes as well as their errors. Of the more than 250 men who graduated from Rose in Civil Engineering between the years of 1939 and 1962, approximately 12 per cent have gone on to graduate study. Many are teachers, others are members of consulting firms, chief engineers, or hold other executive positions.

Because of Prof. MacLean's interest in music, the theatre, and the arts, he was appointed chairman of the Rose Convocation Committee; this position he held for about ten years. He worked diligently with his commtitee to give the Rose student body such programs as Shakespearean drama by the Barter Theatre, An Hour With Mark Twain by Hal Holbrook, and a lecture by the former Olympic star Jesse Owens.

This is the life of a man dedicated to the education of Rose men. And, thus, it is to Prof. MacLean that we dedicate this MODULUS.

PRESIDENT'S MESSAGE

ROSE POLYTECHNIC INSTITUTE
TERRE HAUTE, INDIANA

OFFICE OF THE PRESIDENT

December 19, 1962

TO THE CLASS OF 1962:

You have been attending Rose during eventful years - a period which has been characterized by an unpredicted and spectacular rise in Russian capabilities in science and engineering. These achievements pose a real threat to our way of life and to our world leadership.

Much as we may regret important accomplishments by a ruthless power, dedicated to world domination, it has aroused the entire nation to a belated appreciation of Alfred North Whitehead's warning - first made to the British in 1916:

> In the conditions of modern life the rule is absolute, the race which does not value trained intelligence is doomed. Not all your heroism, not all your social charm, not all your wit, not all your victories at land or at sea can move back the finger of fate. Today we maintain ourselves. Tomorrow science will have moved forward yet one more step, and there will be no appeal from the judgment which will then be pronounced on the uneducated.

As a result of this concern, our entire educational system is undergoing critical review and revision.

As Rose men, I am confident that you are well prepared to take your place anywhere in the world - or in space - to compete successfully with the graduates of any other school whether from this country or abroad. The Rose curricula is not a final answer - it will be changed and changed again. But as of 1963 you have had a vigorous modern program - you have been well instructed - you have an excellent foundation for your future careers.

All of us here join in wishing you the success and happiness which you so well deserve.

Sincerely,

John A. Logan
President

FRESHMAN ORIENTATION

Miss Koenig faithfully registers everyone.

Each freshman received his name tag.

On September 4th, Orientation Week began for more than two hundred newly arrived freshmen. This period away from other classes provided them with the opportunity to become accustomed to college life and also to be evaluated by the faculty through ability tests in chemistry, English, and mathematics.

President Logan spoke to the students and their parents on the need for adequately trained men in engineering and science. This talk in the auditorium launched the freshmen into a year of studying together and fellowship.

Besides attending the annual Blue Key Smoker and taking group plant trips to many of the local industries, the new freshmen were given ample time to meet new personalities and to cultivate lifelong friendships with their fellow Rose men.

Incoming families were greeted at the Student Center.

John Portlock explains the customs of Rose to Neil Matsumoto and his mother.

"It's a big project just getting moved in.

HOMECOMING 1962

The 79th Rose Homecoming was officially opened Friday evening, October 12, with the lighting of the Freshman-built bonfire. The "first year men" accomplished the objective of all the classes ahead of them as everyone saw the outhouse tumble into the center of the blaze. This fire was unique in that instead of a pole supporting the outhouse, a high block of railroad ties held it up. Afterwards, the crowd moved to the fieldhouse for refreshments and for a Pep Rally. During this pep session, everyone was given the opportunity to exercise their lungs in cheering for Rose and later Coach Carl Herakovich introduced the football squad.

The next afternoon, Rose Poly's Engineers met Concordia College's Cougars on the gridiron. Although the team met defeat, everyone's frowns turned to smiles after the game at the Terre Haute House. While there, alumni talked about "the good ole days" at the social hour and the Alumni Banquet.

Later that same evening, the festivities were brought to a logical conclusion at the Homecoming Dance. Both the Mayflower Room and the Wabash Room were used for the affair providing ample room for everyone's dancing pleasure. Also, during the evening Alpha Tau Omega was presented with the Homecoming Display Trophy. The close of the dance brought to a finish one of the most enjoyable events on the social calendar.

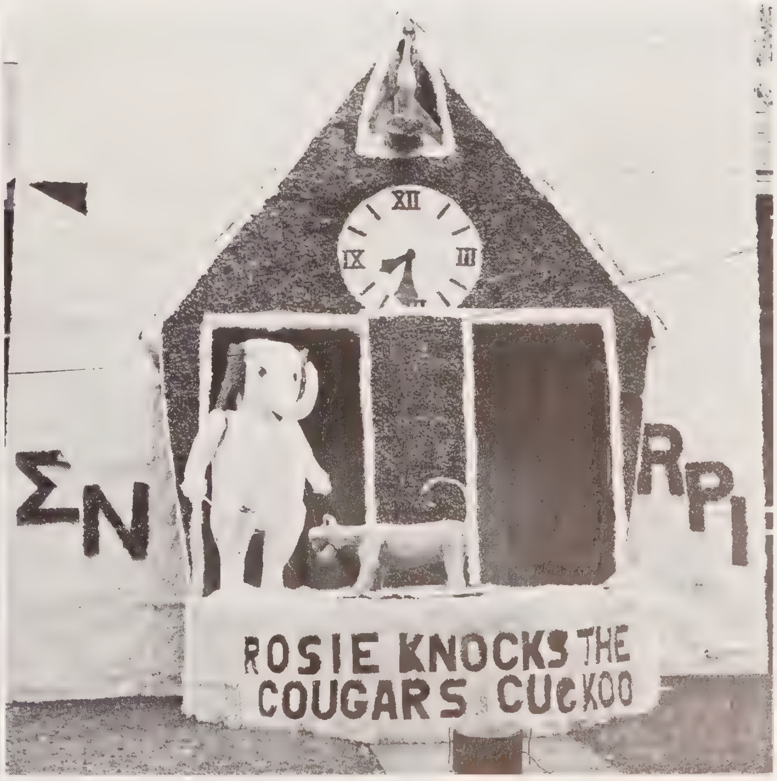
CAN THOSE COUGARS
Alpha Tau Omega
COUGAR CANNERY
CANNED COUG
ROSE
EAMED
OUGAR

The Cougar Cannery of Alpha Tau Omega canned first place for the Taus.

Theta Xi's Rose Bowl.

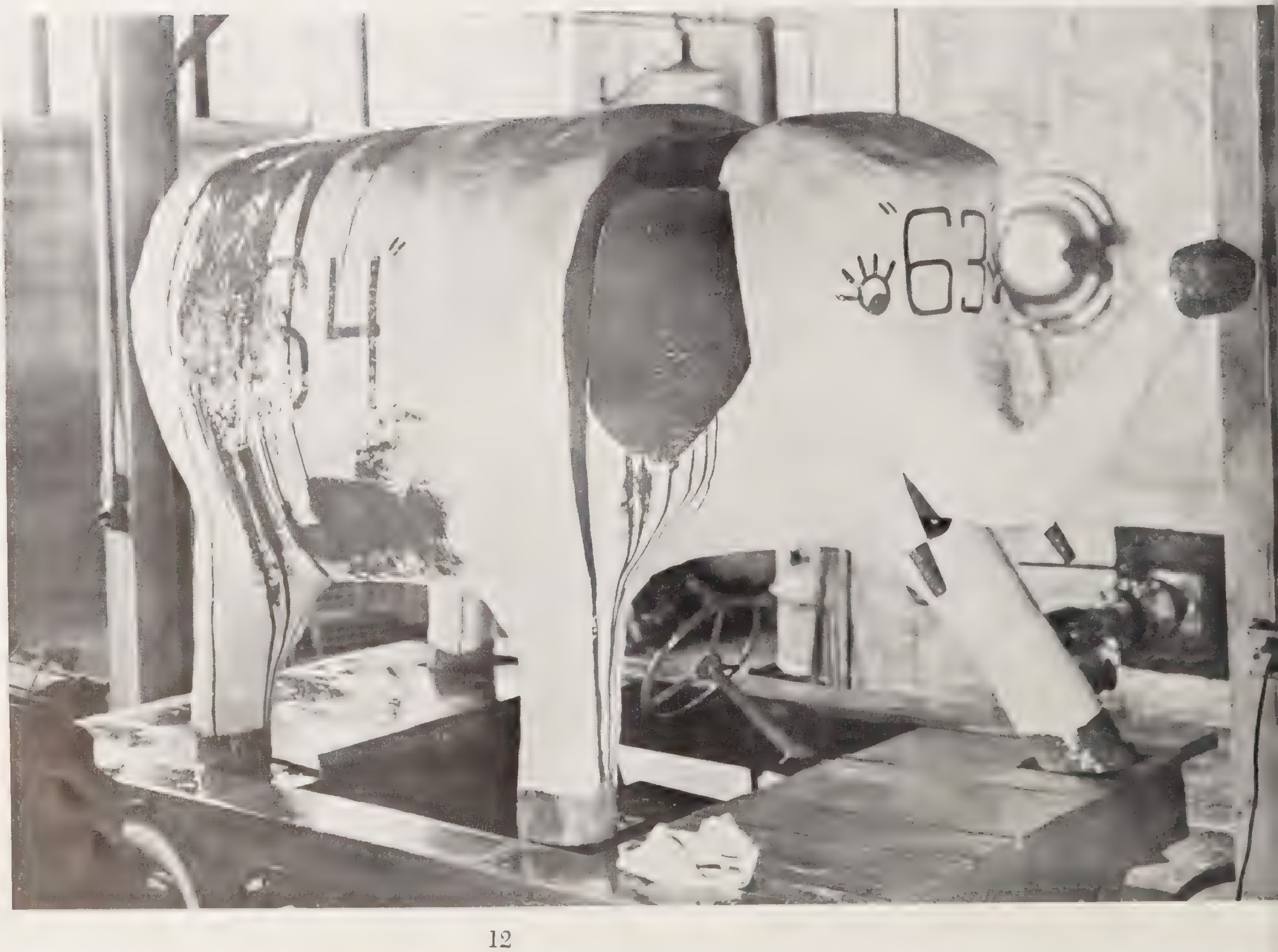
OWL EM OVER
ROSE BOWL

Sigma Nu's Cougar Cuckoo Clock.


ΣN
RPI
ROSIE KNOCKS THE COUGARS CUCKOO

The Cougars get romped-almost.

Rosie was repainted for Homecoming.



Members of the Board of Associates visited: the new dormitory,

the new Student Center addition,

and then paused for a few moments during a busy Homecoming weekend.

Colonel Dougherty's Goon Platoon in action.

ROSE RIOTS

The Rose Rockette's addition to culture.

The annual Rose Poly "Rose Riot" convocation started off with a bang on December 5th. The purpose of this convo was to provide an outlet for the talent, talent of any type, which runs loose on the campus. It demonstrated the ability that the students have in such areas as: comedy routines, singing, musical instrumentation and dancing.

David Rice, chairman for the affair, began organizing the acts well ahead of time. All the acts were of top-notch quality because he saw to it that they were put together with forethought.

Under the emceeing of Pete Canalia, Bob Steder and Bruce Baker started it off with a skit about the typical frosh; Larry Shaffer, Terry Schultz and Dick Young, a three instrument combo, followed. Ron Gessel and his group were next with modern song adaptions; Ron later led Rose Poly's crack drill squad which actually wasn't a drill team, and Ken Stuber's excellent song medley followed. Then the auditorium howled at Bob Clark and his dancing girls and Lynn Robert's hillbilly tale. The students again laughed at

The typical Blue Key meeting.

Bob Crask and Sandy Sutton's mimicking of last year's football squad; a barbershop four composed of John Kuhn, Ken Miller, Bill Nicewanger and Merle Rice followed.

The final act, and an appropriate manner in which to end the convo, was Blue Key's "cuts" at student organizations and their impersonations of faculty members. They purported to be the school's indispensable governing body, FLOP. In the course of their mock meeting, the audience witnessed impersonations of such notables as Dr. Ralph Llewellyn, Dr. Oran Knudsen, Mr. Norwood Baughman, Mr. Carson Bennett and Prof. Gordon Haist. During the act, these instructors were so flawlessly mimicked, it was difficult to believe that they weren't the actual person.

This single convocation will long stand out in everyone's mind because everything functioned so smoothly. All the acts were good and everyone appreciated the effort that it took to produce such a high quality show.

Lynn Roberts tells of Romeo and Jouliet.

The KKK Prayer meeting.

The swing of the holiday season.

CHRISTMAS DANCE

On the evening of December 7th, the Campus Club was host for the Rose Poly Christmas Dance in the auditorium. The dance followed a home basketball game against Illinois College and both events served well in filling the students' weekend.

Upon entering the dance room, the first thing noticed was the warm, close atmosphere which was created by the appropriate choice of decorations. In two corners were decorated Christmas trees. The punch-bowl table filled a third. Hanging from the ceiling was a massive paper bell with colored streamers. Tables were arranged around the dance floor and band to give a night club effect to the room.

The music started slow; the tempo increased progressively until everyone was in the swing of things. Cha-chas, twists and jitterbugs were as popular as the slower waltzes. After this display of musical talent, the band went out for intermission and let the floor show preside.

Campus Club Social Chairman, Allen Wright, briefed everyone about the variety show which was about to begin. "The Wrights" were a group composed of Allen's mother, father and brother. They performed acts on stage which were reminiscent of vaudeville days.

To "break the ice," Mr. Wright performed several mystifying magic tricks. For one particular stunt, he employed the assistance of Dean Ross. Two glasses were covered with metal cylinders; one full of milk and the other empty. Dean Ross tapped the cylinder concealing the full glass and said: "Abracadabra." Upon lifting the cylinders, everyone saw that the milk had been transferred. Mr. Wright gave Dean Ross a box of candy for demonstrating his magic ability.

Next, the male members of the crowd were treated by the presence of two lovely, young dancing girls on stage. Both were scantily, although appropriately, clad and danced two numbers before enlisting the aid of a member of the crowd. Mr. Wright called upon Don Elliot and placed him on a stool, alone, in the middle of the stage. Soon the music of "Whatever Lola Wants, Lola Gets," began and one of the girls came out and danced around him. She aptly acted the part of Lola and Don drew quite a few chuckles from his collar-tugging. He too earned a box of candy for his perseverance.

The Wright's concluded their variety show with a straw hat and cane vaudeville dance by Allen's brother and "Lola." They tap-danced across the stage in true 1920 fashion with even the gestures of that era. The audenice responded well to the act which brought back a certain type of entertainment which this generation doesn't often get a chance to see.

The band then returned. It started as smoothly as if it had never left. Everyone shuffled out to the floor and started over where they had ended.

The dance continued until 12:00 rolled around and everyone had to leave. The addition of the floor show and the decorations gave the dance a refreshing change from the stereo-typed affairs which most school functions are.

Who blew the fuse?

Prof. Wright's Magic Show provided the comical note of the evening.

ENGINEER'S DAY

Engineer's Day was held on November 3rd and offered many high school students a chance to see what is done at Rose Poly. Each department set up displays and experiments to show off its best points.

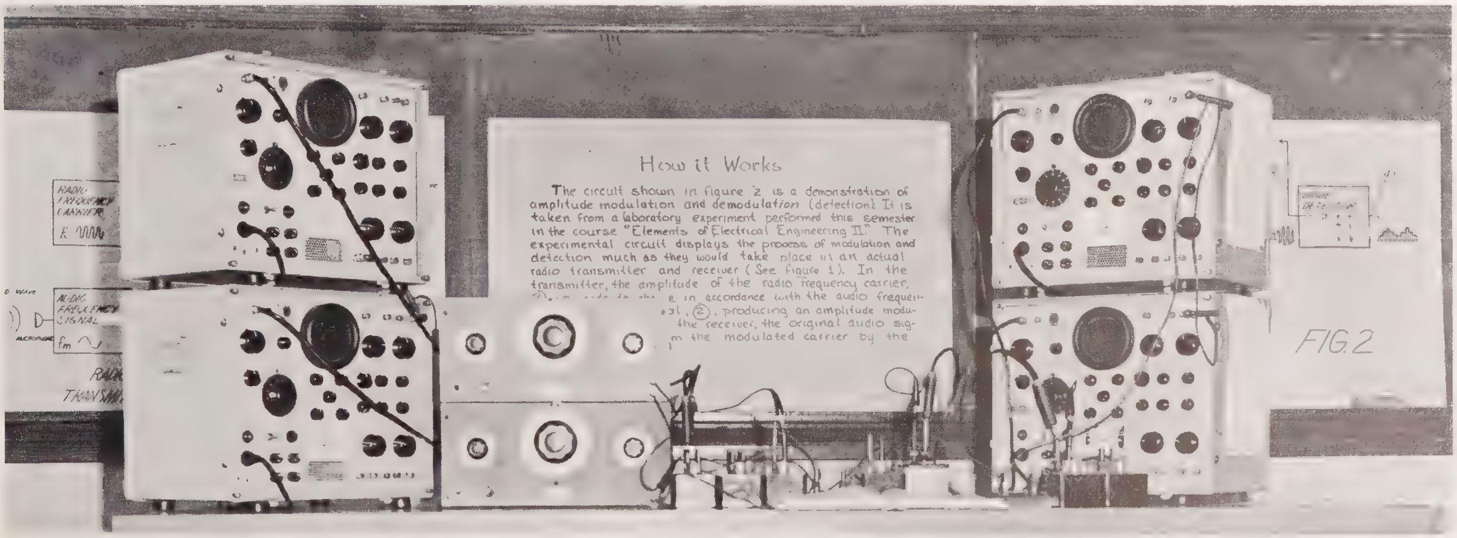
E-Day is an event sponsored by Blue Key and is conducted solely by the students; instructors merely advise. The visitors saw such things as a 100,000 volt zapper, a gun which never misses its target, and a modern weapons display.

After the formal tour of the building was completed, the guests were served dinner by the school and also invited to attend Rose Poly's final home football game against Principia College.

Blue Key members Al Jonnasch and Rick Rapson helped register the visitors, as Mr. Lee kept things lively.

John Toole and Pete Canalia show how to squeeze water out of the air.

The Electrical Engineering Department displayed the principles of radio wave transmission and detection.


How it Works
The circuit shown in figure 2 is a demonstration of
amplitude modulation and demodulation (detection) It is
taken from a laboratory experiment performed this semester
in the course "Elements of Electrical Engineering II." The
experimental circuit displays the process of modulation and
detection much as they would take place in an actual
radio transmitter and receiver (See figure 1). In the
transmitter, the amplitude of the radio frequency carrier,
e in accordance with the audio frequen-
②, producing an amplitude modu-
the receiver, the original audio sig-
m the modulated carrier by the
RADIO FREQUENCY CARRIER
AUDIO FREQUENCY SIGNAL
FIG. 2

Everyone had an enjoyable evening.

MILITARY BALL

All ROTC cadets were given the opportunity to impress their dates with the military side of Rose Poly on December 1st at the annual Military Ball.

Prior to the dance, SAME members were invited to a banquet. Here, the students ate and talked with the faculty members who were present as either chaperones or honored guests. After the meal, President John Logan gave a short speech about Rose.

The dance began promptly at 9:00 PM in the Mayflower Room of the Terre Haute House. A few minutes later, the cadets were asked to line up on either side of the floor with their dates by their side. The Rose Rifles then marched out and formed an arch with their sabers. The entire crowd then walked under the uplifted swords, giving a very interesting effect to the impressive arch.

The music continued until the traditional O'Grady Drill. All the cadets formed en masse in the center of the dance floor and were commanded by Battalion Commander Andy Spangler. After employing several trick orders to weed out the bulk of those entering, Cadet Colonel Spangler continued until only Cadet Corporal Jerry Copenhefer was left. He was then declared the winner of the drill competition.

The high spot of the Mil Ball was the election of the Honorary Cadet Colonel. Each cadet voted for his choice at the beginning of the dance from those who were nominated by each individual company. Miss Kay Saxton, a junior at Indiana State College, was voted the winner. She was awarded the medal of her rank and also a small red elephant. Miss Saxton was escorted by Cadet Sergeant George Wagner.

At the end of the dance, everyone heartily approved of the effort put forth by the Military Department in sponsoring the colorful affair.

The dance was formally started with the Grand March.

Dr. Logan awarded the Honorary Cadet Colonel Medallion to Miss Kay Saxton, a junior at ISC. Her escort was Sgt. George Wagner.

The reception line consisted of: Dick Cordill; Dr. and Mrs. Logan; Prof. and Mrs. Bloxsome; Prof. and Mrs. Ross; Col. and Mrs. Dougherty; Prof. and Mrs. Palmer; Dr. and Mrs. Criss; and Prof. and Mrs. Hooper.

ST. PAT'S DANCE

Again this year, as for many years in the past, the cry of "Erin Go Braugh" rang forth from the Mayflower Room of the Terre Haute House. On March 16, all of the swinging engineers and their female counterparts were out in full force to celebrate the feast of their patron saint, Patrick of Ireland. All will recall that St. Patrick drove the snakes from the shores of Ireland. This is still considered the greatest engineering feat of all time and we at Rose are proud to honor this great engineer each year.

Music was provided by the "Dawnbeats" of Indianapolis. Everyone had an opportunity to release some steam with lots of twisting and stomping.

The dance was sponsored by Blue Key and the annual judging of the Beard Growing Contest was held. To help the winners along with the chore of getting their whiskers shaved off before classes on Monday, the prizes were electric shavers. Terry Fenimore didn't need too much help shaving off his whiskers, but nevertheless he won a shaver in a new division, best "peach fuzz." The other two divisions were heaviest growth and most unique growth. It's not hard to see which family on campus grows the good beards as the Zaenglein brothers won the two prizes. Ed had the fullest growth while his brother Mark carved a shamrock on each cheek to take the most unique.

In summarizing the St. Pat's Dance, one can easily say that this year's dance was no exception in being a most enjoyable evening for all those in attendance.

"SHAMROCK'EN-IT"

Gentlemen, let's count hairs.

Unusual? I'd say!

The hairy one.

Is there a cat and cream in that little box?

PARENTS

On Saturday, May 11, Rose Polytechnic played host to the parents of well over 100 students. Before the parents formally registered in a large tent set up on the campus lawn, they were treated to coffee and donuts in the Student Center to start the day off in a pleasant fashion.

From 9:30 AM to 11:00, tours were conducted through the school and the various departments demonstrated their skills in diversified fields of endeavor. Moms and Dads were also given the opportunity to talk with their sons' instructors. Many professors had to grope for answers to such queries as: "What happened to our little genius?"

At 11:00, everyone adjourned to the auditorium where they were welcomed by Joe Grumme, president of Blue Key which sponsored Parents' Day. The Glee Club sang a series of songs to brighten up the faces and then President John Logan spoke. His topic of discussion was "The Ten Year Development Program of Rose Polytechnic Institute."

Parents and students then moved to the Student Center where everyone was treated to a buffet style luncheon. The four fraternities then took over with their private festivities for the parents of the members.

DAY

Dave Rice helped parents get to their destinations.

Bob McKnight and John Stockton registered parents.

Many informal conversations between parents and instructors were to be found.

CONVO

Countess Maria Pulaski tells her tales.

Mr. Carson Bennett, head of the Convocations Committee, provided the students with a real bell ringer for the first convo of the year: the Eureka College Bell Choir. They are one of the few musical groups still practicing this art. The next convo was by Countess Maria Pulaski—"My Life as a Spy." You'll remember that this was one of the most surprising talks of the year.

Then we heard The Indiana State College Choir with Brass Choir. And finally, Mr. Bill Brown, class of 1962, presented a travelog of his summer tour of Scotland.

The second semester began with a seminar by the Young President's Organization of Indiana. On February 12 a piano duet, Luboshutz and Nemenoff, performed for us at an evening convocation. Rose was very fortunate to have had this fine man and wife team appear on campus. It was one of the best presentations of the year.

Then we heard the Woman's Glee Club from the University of Illinois, saw "The Flower Shop" by the Vincennes University Playhouse and "Uncle Vanya" by the Butler University Players. General Leif Sverdrup presented the Oscar C. Schmidt Memorial Lecture of April 24 and Rose's Glee Club rounded out the year with a concert on May 15.

Inside the Flower Shop with the Vincennes University players.

CATIONS

Professors and businessmen combined their knowledge to provide an interesting panel discussion.

General Sverdrup delivers the Oscar C. Schmidt Memorial Lecture.

Count Basie provided an evening of excellent music at the Shook Memorial Fieldhouse.

Mr. and Mrs. Norwood Baughman enjoyed the Junior Prom too.

Junior Promites!!! Stop—Look—SMILE.

JUNIOR PROM

The Junior Prom this year was carried out in the usual successful Rose fashion. The gala March 23rd affair took place at the popular Allendale Country Club south of Terre Haute.

About 150 couples, including almost all of the 85 seniors and their dates who were admitted free, twisted and waltzed, as well as polkaed and cha-chaed, to music played by Sticks Hildreth and his band. The variation in the atmosphere of the music permitted everyone to manifest his most romantic or his active mood in dancing. The floor was almost constantly filled with couples enjoying the rhythm of the band.

The theme was "Deep Purple." The Junior Class chose this as a kind of sarcastic good-bye to the Senior Class. Since the color purple denotes a soberness or a sober attitude, the juniors felt that this would be an appropriate way to poke good-natured fun at the seniors.

The Prom marked the end of the formal social calendar. It was a specially suitable way to end the all-school dance season at Rose.

The head table and dignitaries.

Mrs. Logan greets Mr. and Mrs. Biel in the receiving line at the Lawn Party.

COMMENCEMENT

Seventy-seven men enter the Field House as undergraduates for the last time.

Dr. Bergmann and Dean Moench install Dr. Logan as Rose's Tenth President.

Rose Polytechnic Institute's eighty-fifth commencement took place on June 8th at 10:00 A. M. in the Rose fieldhouse. The sweltering heat of the morning sun made sure that no one would soon forget it.

At the graduation, seventy-seven men received bachelor's degrees, four received master's and four honorary doctorates were awarded. The number of men receiving bachelor's by departments was: Chemical Engineering, fourteen; Civil Engineering, eight; Electrical Engineering, seventeen; Mechanical Engineering, twenty-two; Chemistry, one; Mathematics, seven; and Physics, eight. Of these seventy seven degrees, four were With High Honors and twelve were With Honors. Master of Science degrees were conferred in each of the fields of Chemical Engineering, Electrical Engineering, Mechanical Engineering, and Mathematics. Two Doctor of Science, one Learned Doctor of Law and one Doctor of Humane Letters were also awarded.

Also Dr. John Logan was inaugurated as the tenth presi-

Dr. Gordon Fair delivers the commencement address.

The Heminway Medal is awarded to Richard Esker.

dent of Rose Polytechnic Institute. He came to Rose from Northwestern University where he was head of the Civil Engineering Department, to assume the head position at Rose on September 8, 1962. His inauguration was attended by associates of his from five different colleges, one from as far away as the University of Saskatchewan.

The main speaker was Dr. Gordon M. Fair who followed up Mr. Miles Griffith's alumni address. Dr. Fair spoke on the closing gap between science and engineering. His topic was a timely one due to the vast emphasis which has lately been placed on the two in America's satellite programs.

Just prior to the conferring of degrees, Richard Esker was awarded the Heminway Medal for academic excellence.

At 12:00, after commencement, the new dormitory just west of B. S. B. Hall was named in honor of Mr. William S. Speed who was very instrumental in assisting in the growth of the college.

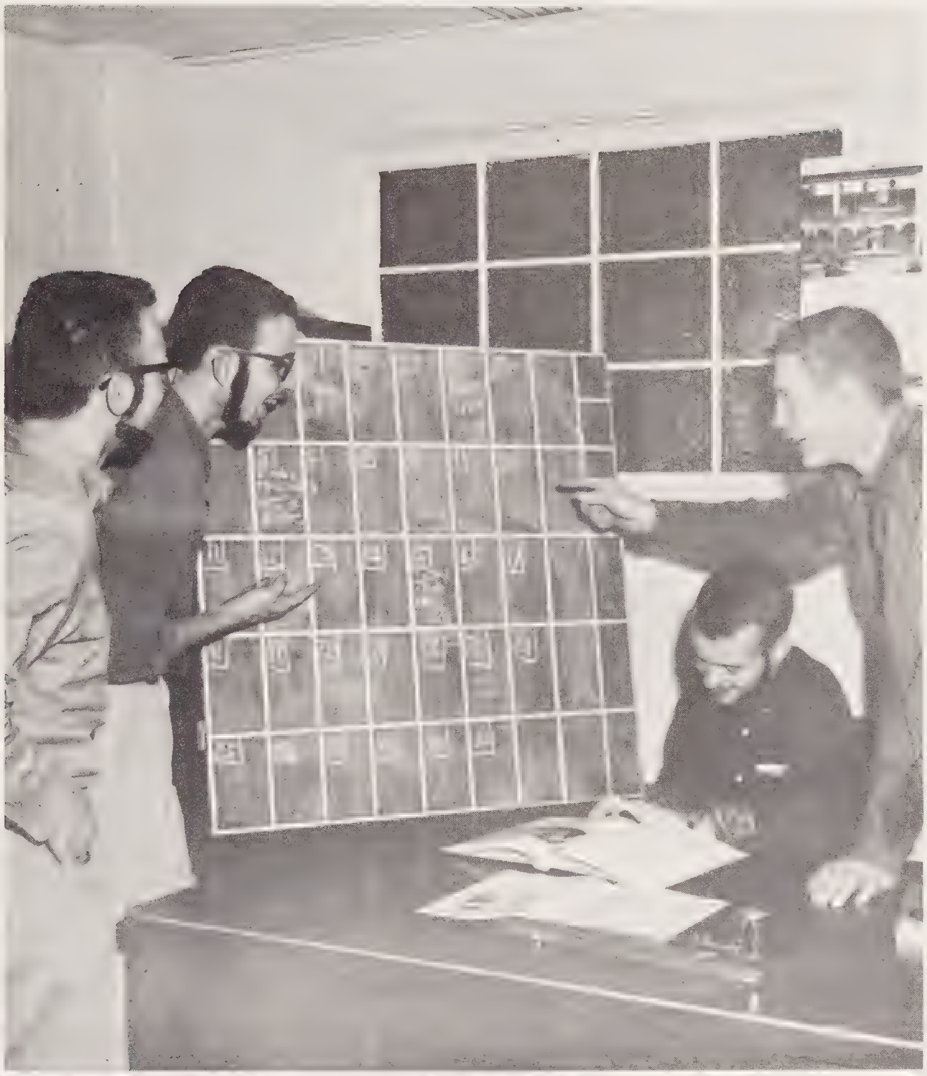
Rose Polytechnic confers a Doctorate Degree upon Doctor Fair.

ROSE POLYTECHNIC INSTITUTE CLASS of 1963

Dedication of William S. Speed Hall was the last official function of the 1962-1963 school year.

42
44
12

ORGANIZATIONS



Left to Right: Lindley Ruddick, Financial Secretary; Lynn Roberts, President; Bill Nicewanger, Vice-President.

STUDENT COUNCIL

The Student Council was organized as a voice for student opinion and to provide a link between the faculty and the students. It is composed of seventeen members, four representatives from each of the classes and a financial secretary.

The council usually acts according to its constitution and recommends action which they feel should be taken. This year they made three such recommendations to the faculty. They conveyed the opinion that basketball players growing beards for the St. Pat's Dance be allowed to participate instead of being dropped from the squad, they recommended that parking in the area around the Student Center be open only to upperclassmen and also requested that the school abandon the practice of publishing only nine week grades in favor of the more conventional six and twelve week periods.

During the Fall and Spring Honors Convocation, the Student Council takes upon itself to honor men who have accumulated a certain number of honor points based on scholarship and activities. These Honor Men are then awarded a key in recognition of their work.

Two of the main purposes of the council are to make financial apportionments to Rose clubs and organizations requiring such assistance and also to acknowledge new clubs. During the 1962-63 school year, two clubs were recognized: the Flying Club and the Astronomical Society.

SEATED, Left to Right: King, Roberts, Ruddick; STANDING, Left to Right: Brugos, Schuld, Joseph, Wagner, Chute, Kovacs, Lewis, Terry, Wallace, Copeland, Johnson, Chitwood.

BLUE KEY

Each semester, the Blue Key National Honor Fraternity taps for membership those juniors and seniors above all-men's average who show outstanding character, leadership, and willingness to participate in school activities. Membership in Blue Key enables a man to develop those qualities necessary for success in the business and social world.

While Blue Key is in name an honorary society, it is equally a service organization. The Rose chapter of Blue Key has excelled in serving the school and making Rose a finer place to live. During the past academic year, Blue Key has been particularly active in sponsoring and supervising such projects as the Homecoming pep rally and dance, the school calendar, the Rose Riots student talent show, the Honors Convocations, Parents Day, the freshmen smoker, the St. Pat's Dance, Engineers Day, and big-name entertainment on campus.

Several of these activities were certainly above and beyond the call of duty and are worthy of mention. For instance, when requested to take over the organization of Engineers Day from the Student Council, Blue Key was more than willing to do so, even on just a few weeks' notice. President Joe Grumme noted that in all, several hundred high school students, parents, and friends were entertained and shown demonstrations of Rose engineering ingenuity.

Blue Key also provided the needed spark to fill a gap in the Rose campus life by staging one of the most popular convocations of this, or any year, the Rose Riots, on December 5, 1962. Proving that Rose men have hidden talents which are repressed for the better part of the year, the show featured a variety of outstanding acts, of which not the least outstanding was the madcap finale, the Blue Key act itself, consisting of a mock meeting of "FLOP," the "Fearless Leaders of Old Poly," with clever impersonations of the faculty members and friendly quips directed toward student organizations. Dave Rice, general chairman of the presentation, and Bob Lovell, who planned the Blue Key skit, should be commended for a fine job.

Among its projects of the current year, the Rose chapter of Blue Key can claim a first. Never in its eighty-nine year history had Rose been visited by big-name entertainment—that is, not until this year. When offered the chance to have Count Basie and his band on the night of February 21, 1963, at greatly reduced cost, Blue Key openly welcomed the opportunity, even though given a mere two weeks notice. Blue Key underwrote part of the cost, and the school put up the remainder. Many hours were spent in preparation, and this was a real group effort, but deserving particular attention were the contributions of John Rohr, project chairman, and Max Goodwin, publicity director. Despite the handicaps of the bad weather and several tests the following day, the concert was a success. Blue Key can take pride in opening the door to more attractions such as this in the future.

Blue Key taps Bob Valle at the Spring Honors Convo.

SEATED, left to right: Hobbs, Vice-President; Grumme, President; Shaffer, Sec.-Treas. STANDING, left to right: Goodwin, Bolt, Rice, Roberts, Janasch, Crynes, Rapson, Chute, Lovell, Miller, Richardson, Rice, Nicewanger, O'Neill.

TAU BETA PI

Mr. President, may I present . . .

The Rose campus is the home of the Indiana Beta Chapter of Tau Beta Pi—the National Engineering Honor Society. The purpose of Tau Beta Pi is to recognize, in a fitting manner, those students who have brought honor to their Alma Mater by distinguished scholarship and by exemplary character as undergraduates. Also, Tau Beta Pi serves to recognize alumni for their professional attainments. In addition, the Society strives to foster a spirit of liberal education in the engineering colleges of America.

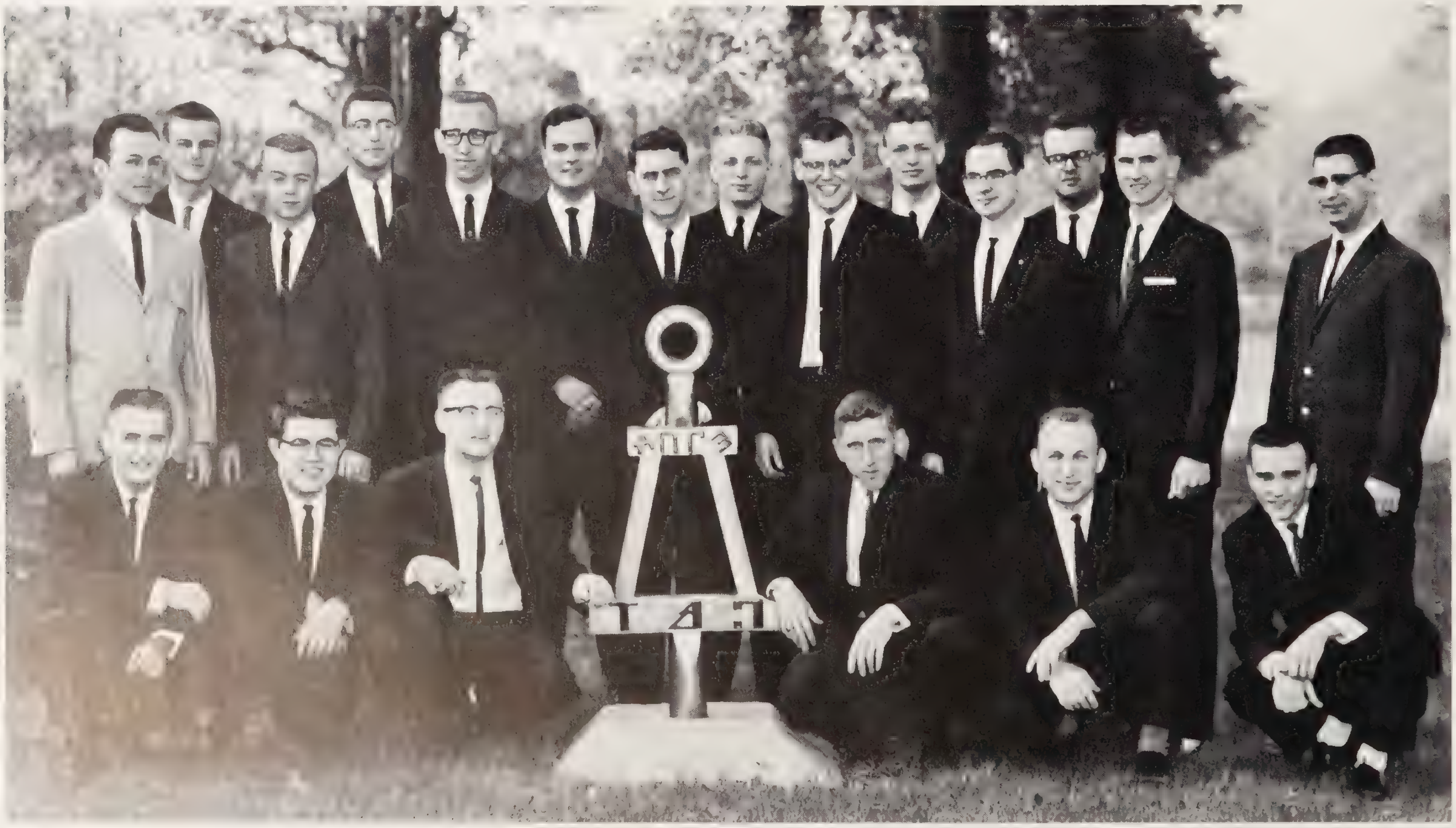
The members chosen to Tau Beta Pi are considered not only for their high scholarship but also on the basis of their integrity, adaptability, breadth of interests, and activities. These are the guiding considerations by which the members to the Rose Chapter are chosen. The total active membership of the Chapter this year was boosted from fifteen to twenty-two with the addition of seven new spring members. This is a large Chapter relative to those of the past. It has also been an outstanding chapter.

The foremost project of the chapter this year was the faculty evaluation poll. In this poll the instructors are given the opportunity to be evaluated by their students. The instructors are rated on their teaching methods, presentation, effectiveness, enthusiasm, and various other aspects. The poll affords each instructor an opportunity for critical and helpful exchange with his students. The purpose of the poll is to aid the instructor in improving his methods.

The Chapter delegate to the National Convention this past year had the pleasure of four days in sunny California. The Convention is the governing body of all the Tau Beta Pi Chapters. This year they met in Long Beach, California.

Tau Beta Pi is a goal that every student at Rose strives to reach. The official emblem, a bent of a trestle, has been placed at the center of the campus to serve as a reminder of this goal.

KNEELING, left to right: Curt Jones, Dave Rennels, Ken Miller, Jake Hoffman, Greg Bolt, Mike Bumgardner; SECOND ROW, left to right: Jim Watkins, Max Goodwin, Dick Esker, Bill Crynes, Bill Teeguarden, John Rohr, Bryce Drake, Jack Riley; THIRD ROW, left to right: Rick Rapson, Phil Chute, Del Ellis, Daryle Riegle, Paul Richardson, Steve Hoffman.



CAMPUS CLUB

Each student who resides on the campus is eligible to join the Campus Club. The club is the governing body and coordinating unit for the students. Its main function is to provide recreation and social activity for the men from Rose Poly's campus.

The nearly 200 members were treated to three mixers this past year. One was with St. Marys of the Woods and two were with Indiana State. The two State mixers were supported by women from Reeve Hall and Erickson Hall. In addition, the club sponsored the annual picnic by providing the food and refreshments for members and their guests.

During the 1959-60 school year, the members started rebroadcasting music by a unique method. By employing an amplification system, they were able to "pipe" regular FM music through the wires in the dorms and thus get good music to the studying students. This year they were treated to a large separate room for their equipment and eventually they began to play request records.

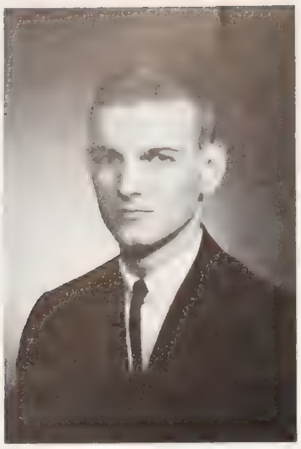
Due to the rapid increase in membership, the new dorm added many, the club's treasury records turned from red to black. It was decided that these extra funds would be used to purchase TV sets. Since BSB Hall was previously given a set, only two had to be bought. They provided good entertainment to fill in the study gaps.

Besides promoting active social lives, music and television sets, the Campus Club is also responsible for maintaining the indoor recreational facilities: ping pong and pool tables. Various vending machines throughout the dorms are also the responsibility of the club.

Seated: Paul Richardson; Dean Ross, Advisor; Larry Morgan. Standing: Bob Allen; Steve Hart.

Many fine mixers were held by the campus club this year.

MODULUS



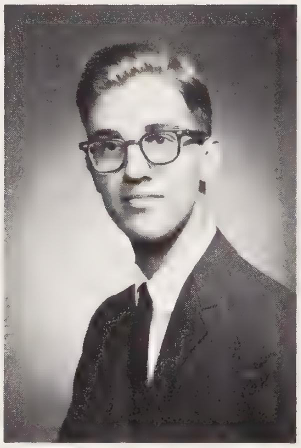
RICHARD C. RAPSON, JR.
Editor

The first MODULUS appeared in 1892 and since then it has continued to present a realistic picture of college life and provide a tangible record of events which have happened during the year. This 1963 edition is no exception.

As the school expands with more clubs, new students and more people doing things, the MODULUS is always there with a photographer or an editor. All things of general and individual interest are reported in the yearbook. Fond and warm and even irksome memories will all be found at a glance on these pages. But all these memories will be treasured ones which have roots firmly implanted at Rose.

The true value of a yearbook can only be measured by its worth in the future. As each year passes, and as each alum mellows more and more, the true value of the MODULUS increases. It provides a "looking glass" into which everyone can look back and reminisce over their past classmates, organizations and club memberships. Without a yearbook, it would be impossible to occasionally glance into a period gone by.

JACK COX
Managing Editor



BRONIS R. deSUPINSKI
Business Manager

GORDON K. HAIST
Faculty Advisor

Friday evenings find the MODULUS office filled with the sounds of typewriters and voices as the 1963 MODULUS is created.

COPY STAFF Seated: Dennis Karwatka, Editor; Standing: Terry Schultz, Jerry Stineman, Paul Campbell, John Stineman.

PHOTOGRAPHY STAFF Seated: Dave McReakin, Ken Rich, Mike Lubecky; Standing: Alan Welton.

ADVERTISING STAFF Seated: Mike Wadsworth, Editor; Standing: Terry Fenimore, Paul Campbell, Dan Lenz, Bill O'Rear.

LAYOUT STAFF Seated: Bob Murray, Editor; Standing: Evan Johnson, Paul Schweri.

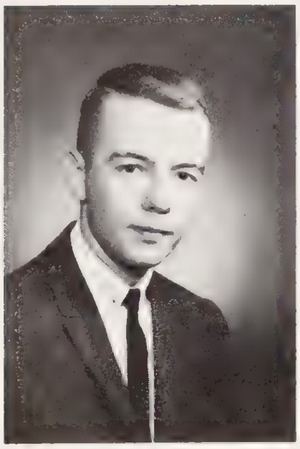
TECHNIC

Since the first issue was printed in 1891, the TECHNIC has given Rose a college publication to provide pleasure and education to its readers. Through many improvements and expansions, the magazine has grown into a publication of national acclaim in its field. Proof of this excellence is in its wide distribution which unites Rose with her alumni.

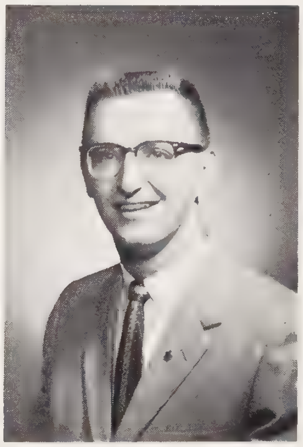
Incorporated within the magazines are many articles with which students are intimately involved. One of the most well received was a series which came directly from the TECHNICs of a past era, 1924. Everyone read and enjoyed what the Rose student body did and how they felt 40 years ago. It brought many chuckles and small smiles to the faces of the more recent clientele of Rose Poly. One of the most popular sections always has been on the Miss Technic pages. In just a few years this regular feature has mushroomed in popularity so much that it rivals the joke page.

Still another recent development has been the incorporation of a series called *Letter from an Alumnus.* Letters are solicited from prominent graduates and they answer questions which are put to them by the editors of the TECHNIC.

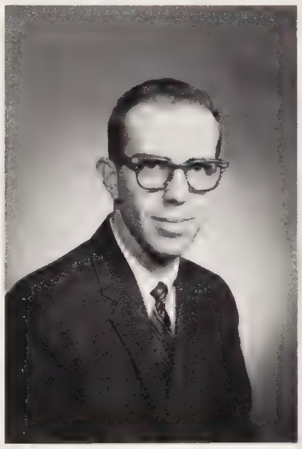
JOE GRUMME
Co-Editor



MAX GOODWIN
Co-Editor



KEN MILLER
Business Manager



E. D. ELBERT
Faculty Advisor

MIKE THOMAS
[illegible]

Monthly panic—the deadline date is tomorrow!

Seated: Joe Griffin; Standing, left to right: Dave Hall, Mike Francis, Ron Gailbraith, Steve Chitwood, Jim Howenstine, Alan Welton, Rello Cristea.

EXPLORER

Since the Spring Semester of 1959, Rose's bi-weekly paper, the EXPLORER, has continued to meet every deadline and be published as scheduled. The paper was started as an outlet for responsible student opinions and to report the true news to an interested student body.

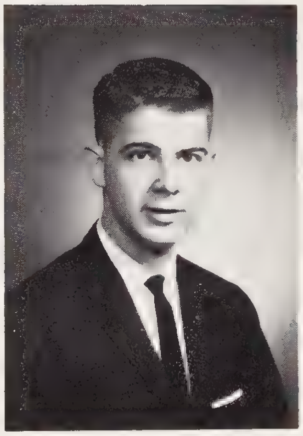
The EXPLORER has continued to grow and expand until this year, due to increased advertising, it was capable of publishing many eight page editions and still not lose solvency.

A regular column, Short and Sweet, was printed for the first time this year. Its purpose was to put before the faculty, administration, and students less important opinions than would appear in the editorial column. Another innovation was an EXPLORER-sponsored Professor of the Year contest which Prof. Alfred Schmidt won by a substantial margin. Sports Sputtering was also inaugurated as an editorial column for the use of the sports editor. It provided a strong channel for athletic views.

The EXPLORER's printer, the Daily Clintonian in Clinton, Indiana, purchased a new press this year and thus the paper was able to print clearer photographs and use more legible type. This improvement along with the creative ideas of the editors has brought the paper up to the high plane of respect which it now enjoys.

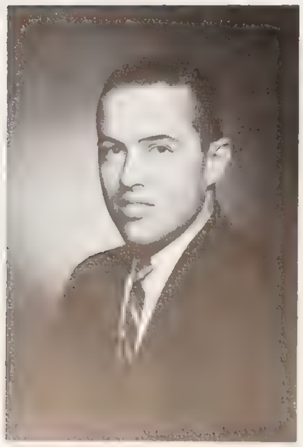
DENNIS KARWATKA
Co-Editor

MERLE D. RICE
Co-Editor



DAVID Y. RICE, JR.
Business Manager

PROF. RIED BUSH
Faculty Advisor



MARVIN E. BARLES
[illegible] Editor

Arf! Arf! Bow ! Wow! (Translation—Color this page invisible.)

STAFF EDITORS Jim Brown, Merle Rice, Bob Clark, Mike Lubecky, Ron Turaski, Evan Johnson, Gus Carroll, Ken Wickwire.

SPORTS WRITERS Paul Goss, Larry B. Hall, Gus Carroll.

NEWS WRITERS Seated: Ron Turaski; Standing: Bruce LeRoy, Bob Crask, Ken Wickwire.

GLEE CLUB

Talented vocalists of the Rose student body, or men who just like to sing, are the type of people who comprise the Glee Club. Each year, through long and sometimes tedious practices, they always manage to produce some very fine choral pieces.

This year the Glee Club was directed by Mr. James Holler who distinguished himself by playing the lead in the Community Theatre production of "Li'l Abner." Miss Judy Ketcham assisted him as accompanist.

The 25 member singing group started the year off with a medley of songs at the Homecoming Banquet in October. The alumni were treated to tangible proof that engineers and scientists can do things other than slip a slide rule or solve an equation. Then they sang for Marshall High School in Marshall, Illinois and for the Borden Milk Company's 25 year commemoration banquet at the Terre Haute House.

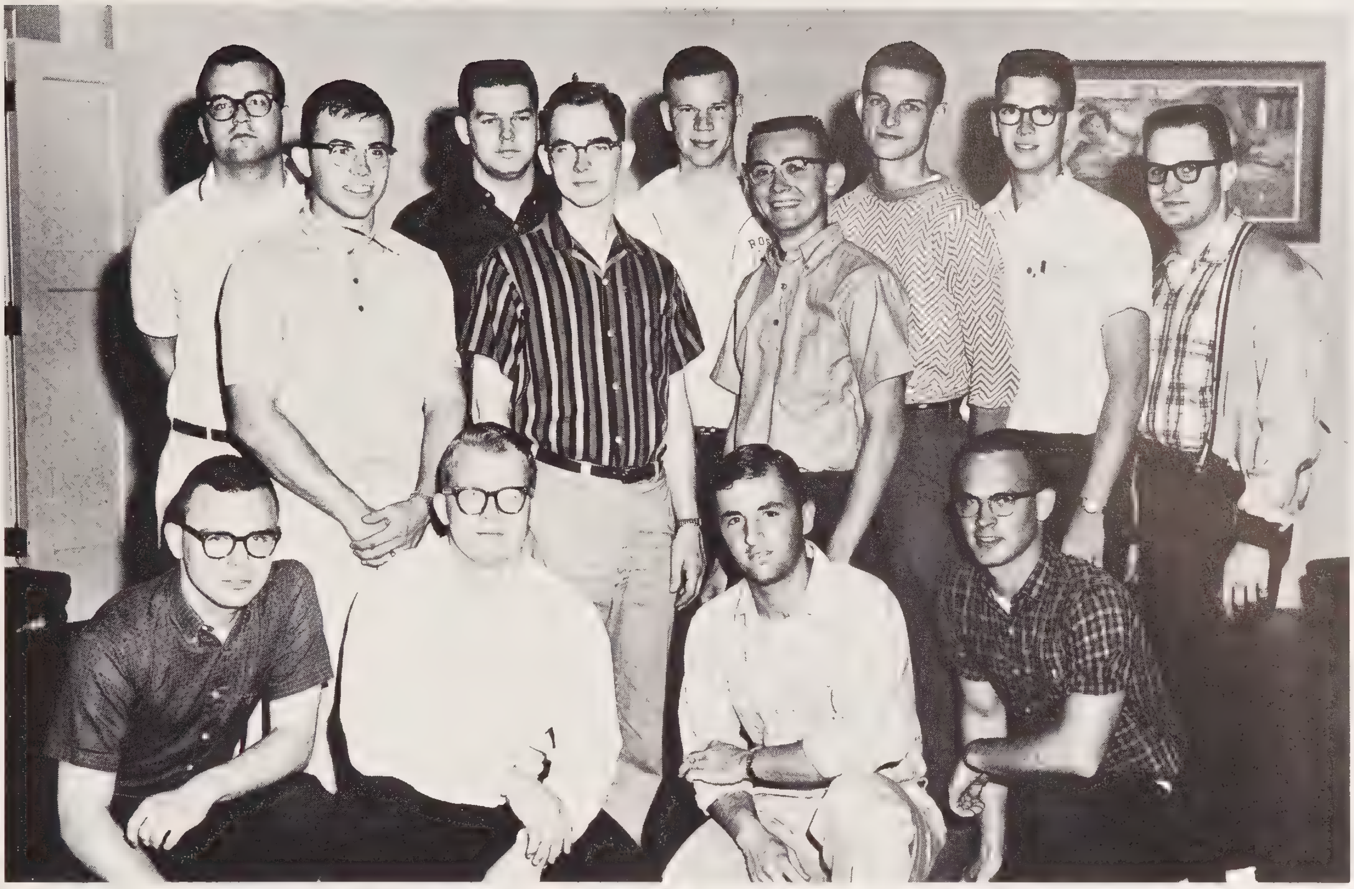
During the Christmas season, St. Mary-of-the Woods' Chorus and the Rose Poly Glee Club appeared on WTHI-TV. The program was a special half hour affair devoted to popular and classical Christmas tunes.

At the beginning of the second semester they took a trip to Vincennes University in a convocation exchange program. In return, the VU Players presented a play, "The Flower Shop," for the Rose student body.

After singing at Wiley and Garfield High Schools in Terre Haute, the club members started a three day tour on May 1st. This trip took them to various high schools in Elkhart, South Bend and Gary. Besides demonstrating their singing ability, the Glee Club also represented good publicity for the school.

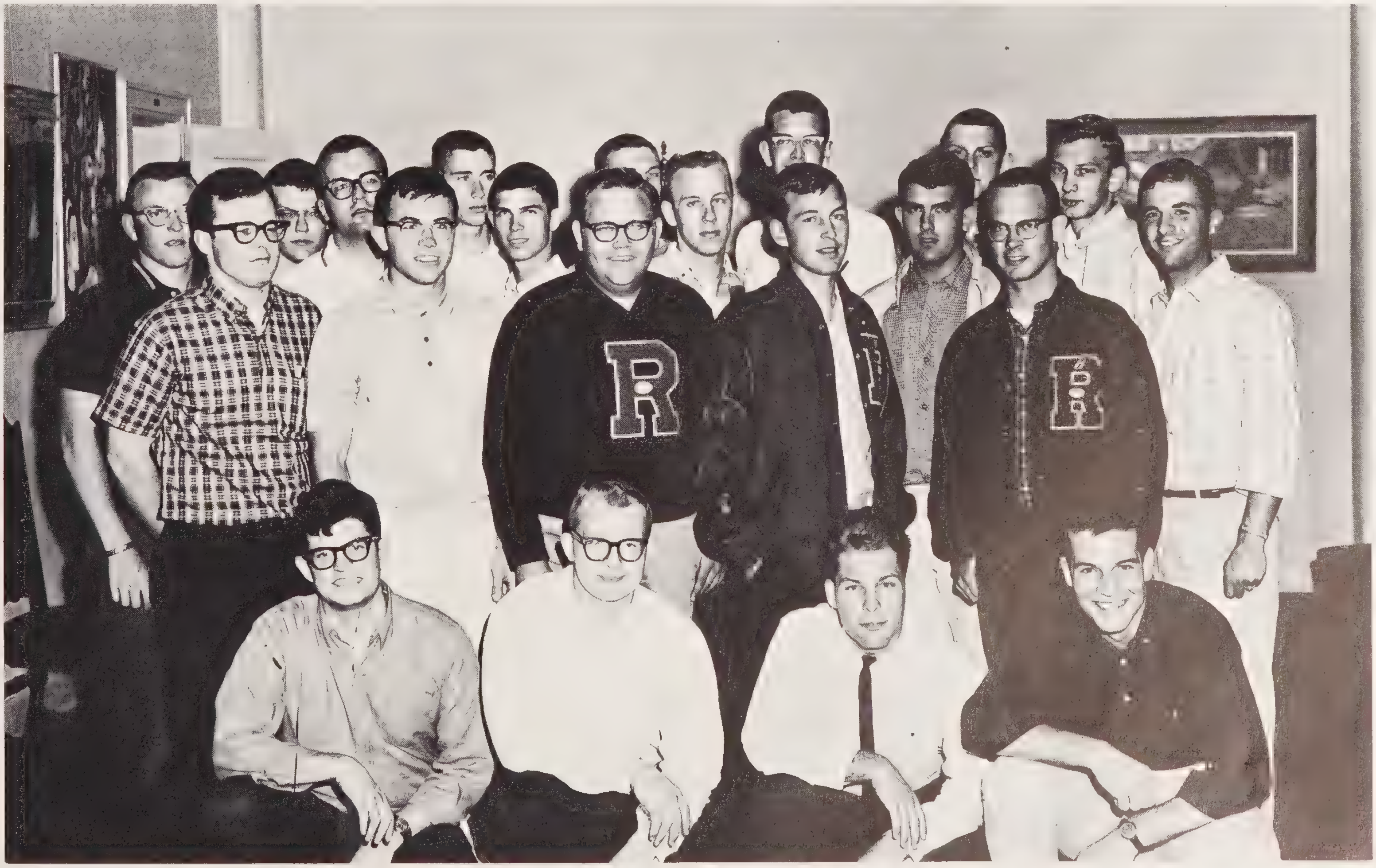
The singers wound up their very active year on May 15 by presenting a joint convocation with St. Marys in the Rose Auditorium. It was an appropriate way to end a strong and lively year.

Front Row: Larry Thomas, Don Miller, John Kuhn, Terry Schultz, Jim Grosheider, Ron Thomas, Tom Daugherty, Bill Nicewanger, Mont Williams, Merle Rice, Dave Rennels; Second Row: Bob Blahut, Dave Randolph, Jack Riley, Phil Carter, Dave Morgan, Jack Braun, Rich Daugherty, Dave Cripe, Jeff Lackey, Ken Miller, Steve Daugherty, Allyn Haase, Bob McKnight.



HONOR MEN: Kneeling: Bill Allard, Bob Blahut, Jim Young, Chuck Yager; Standing: Steve Hoffman, Bob Clark, Jack Hobbs, John Rohr, Dave Morgan, Lindley Ruddick, Rick Rapson, Dave Cripe, Merle Rice.

R-MEN: Kneeling: Rich Reeves, Bob Blahut, Jeff Brugos, Pat Alden; Standing: Joe Wise, Dave Randolph, Bill Teeguarden, Steve Hoffman, Bob Clark, Jim Phelps, Bob Bonson, Gary Shillinger, Rick Rapson, John Stockton, Larry B. Hall, Bill Everson, Paul Goss, Steve Hart, Chuck Yager, Bill Kovacs, Jim Young.



CAMERA CLUB

The Camera Club provides a useful and convenient outlet for the photographic elite on the campus. It gives the members a chance to exhibit their talent by taking and developing a variety of pictures.

The club, always working and always cramped for space, was rewarded for its efforts this year. Due to a strong new advisor, Colonel John Dougherty, and personal efforts by the 20 man club, a brand new darkroom was obtained in the basement of the new dormitory. The new darkroom permits two men to work together on separate projects at the same time with either the 4x5 or the 35mm Omega enlarger. Along with it went a new print drier, print washer and developing trays.

This has been an eventful year for Rose Poly's 15 member Radio Club. Through their various and intricate transmitting apparatus they were capable of contacting more ham operators than ever before. Their Collins 75-A4 and Hallicrafters SS-28 receivers permitted them to obtain first hand news during this year's Cuban crisis.

The Radio Teletype located in the club's office receives news from all over the country through the facilities of all the major news services. It is because of progressive clubs like this one that the students are going to new horizons for more information.

RADIO CLUB

RIFLE CLUB

Seated, left to right: Keeler, Barton, Brakes, Bolt, Righthouse, Decker; Standing, left to right: Klausman, Rich, Wise, Capt. Kelley, Keuber, Taylor, Chitwood, Francis.

Starting with a total membership of 10 only two years ago, the Rifle Club has since expanded its size to 55 men. This increase was made possible through increased student interest and more substantial monetary support.

The club keeps its members in top shooting form by allowing them to fire frequently on the rifle range located in the basement. This practice has improved the shooting ability of all the members.

Besides providing its members with rifles and cartridges, the Rifle Club also sponsors both the Rose Poly Rifle Team and the R.O.T.C. Rifle Team.

One of the newest clubs here this year, the Astronomy Club, has already started to rapidly inaugurate an interesting and beneficial star-gazing program for the 20 members.

The club has assumed the full responsibility for maintaining and lining up the 8-inch, $9,000 reflector scope located in the Reeder Lab west of BSB Hall.

Already this year, club members have used their ability to set up the telescope and photograph such planets as Saturn and Jupiter. This type of operation has given them a "feel" for the equipment and the valuable experience so necessary to record accurate data.

Seated, left to right are Bob McKnight and Bob Crask; Standing are Gary Van Deman, Charles Kuester, Tom Griffeth, Doug Wray, Clyde Phillips, Phil Schaad, Greg Stephens, and Allyn Haase.

ASTRONOMY CLUB

FLYING CLUB

' Off they go into the wild blue yonder. . . . ."

A new and different type of organization was formed this year, the Rose Tech Flying Club. This club was formed to bring together those individuals who are interested in flying and eventually hope to obtain a pilot's license. In the future, the engineer will have to be more mobile than he is today, the airplane offers the bridge across the gap.

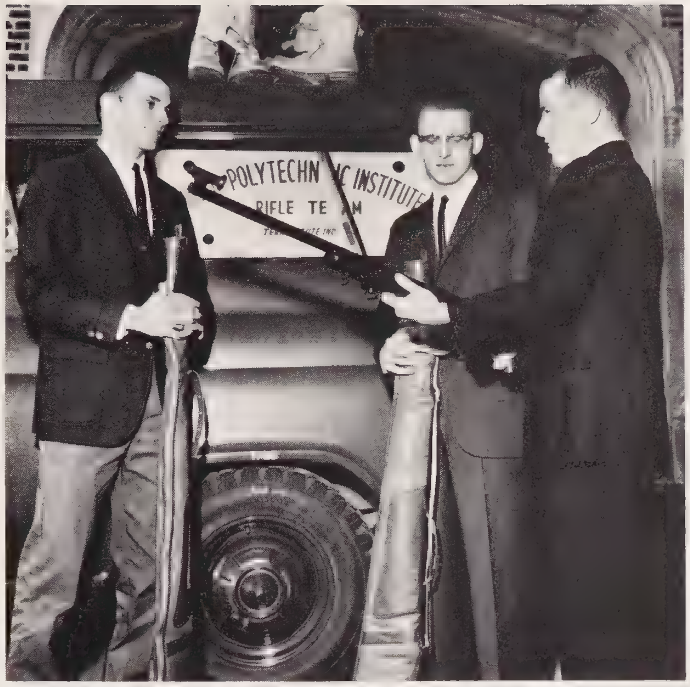
The club membership climbed to 34 during its first year. It offers an accredited program in ground school where the beginner learns the fundamentals of flight, aircraft control and flying procedures. After passing this phase of testing, a short time spent in actual flight school is all that's required to be licensed as a pilot.

The Rose Rifles, Rose Poly's drill team, put on a new bib and tucker this year. Under the coaching and organizational changes of Captain Dale Randels, they acquired new black drill uniforms with white accoutrements and white web slings to carry their Springfield rifles.

The twenty-five man team entered in an intercollegiate drill match at the University of Illinois where they placed ninth in a field of thirteen. They scored 612 points out of a possible 1200 in their first meet in over two years.

Half-time festivities by the famous Rose Rifles

ROSE RIFLES



Chitwood, Wallace, and Barkes load up for a trip.

RIFLE TEAM

The Rifle Team had a brilliant year with indications of greater things to come. The team won the SAME trophy in competition with engineering schools throughout the country. In dual postal matches the team had an 8-2 record. Traveling to Kansas State, St. Louis, and Michigan State, the Rose men met and defeated some of the best teams in the country. Big Ten varsity teams falling to Rose were Wisconsin, Illinois, Ohio State, Indiana, and Michigan State. The one Big Ten defeat was by Michigan, the Big Ten champions. Other Universities met and defeated by Rose were Kansas, Arkansas, South Dakota, Wyoming, and Utah. Individuals winning medals in the meets were Greg Bolt, Marv Barkes, and Grady Wallace. High season average was 283/300 by Wallace. Barkes won the American Legion Pistol Award, and J. Barton won the Club Championship match.

Seated: Jay Barton, Steve Chitwood; Second Row: J. R. Righthouse, Mike Lancet, Jim Skeel, Mark Zaenglein; Third Row: Jim Dunn, Paul Kueber, Marv Barkes, Capt. Kent Kelly, Greg Bolt, Les Jordan, Grady Wallace.

FRATERNITIES

Meeting the men is important too.

RUSH

Throughout the entire first semester, all of the freshmen were kept ignorant of the specific workings of any one fraternity . . . Rose was on closed rush. The only time that the frosh caught a glimpse of the inside of the houses and saw how the fraternity men lived was at the two Get Acquainted Parties held in November and January.

Then on Friday, February 1st, Saturday and Sunday, rush was suddenly open for the weekend. During that hectic time of driving, talking, rushing and driving again, 140 out of 183 eligible rushees went through rush. It was a lot of men and it took each fraternity six parties to do it but in the end no one was worse, except for wear.

After Monday morning decisions and a few more additions during the week, 65 frosh had pledged. They all proudly wore the pledge shield of their new fraternity. Alpha Tau Omega pledged 12; Lambda Chi Alpha, 20; Sigma Nu, 15 and Theta Xi, 18.

Pete Petrowsky and Larry Hall explain some of the facts to Jeff Brugos.

Jerry Copenhefer, Bill Allard, Rich Daugherty and Tom Evans pass out Goodwill bags.

INTERFRATERNITY COUNCIL

The four fraternities play a very large part in school and social life at Rose. Because of this importance, they have always put forth an effort to coordinate their activities. The interfraternity Council is the meeting ground for this coordination.

The Council is comprised of two men from each fraternity. One is a voting member and the other is along to assist in interpreting motions and to counsel the voting member. Meetings are usually held once a month at one of the fraternity houses, rotating the place of meeting each month. The presidency of the I. F. C. passes among the fraternities every year. This year Sigma Nu held the position.

This year, many changes or rules adaptations were proposed but no definite decisions were arrived at. During the meetings the members discussed changing interfraternity sports regulations, adapting chaperone rules to assist in convenient scheduling for chaperones and adapting a more rigorous scholarship trophy agreement. They also discussed the possibility of providing a uniform fraternity minimum grade point average for pledging.

Max Goodwin, Lambda Chi Alpha; Bob Lovell, Sigma Nu; Tom Bosworth, Alpha Tau Omega; Jerry Oxley, Theta Xi.

INTERFRATERNITY DANCE

On Saturday, May 11th, the four Greek societies brought their 250 members together for the annual Interfraternity Dance. The spring affair was held at the secluded Allendale Country Club.

Each fraternity takes turns in assuming the responsibility for the decorations. This year, the men of Theta Xi did a very good job in providing the dancing area with floral arrangements. To enter the country club, everyone had to pass through a beautiful archway of red, white and pink carnations. In addition, each table was provided with a small white vase filled with little multi-colored flowers.

The important point of the evening was the long-practiced-for IF Sing. Alpha Tau Omega presented "Happy Wanderer"; Lambda Chi Alpha, "Little Close Harmony" and Sigma Nu, "Maria." Theta Xi chose not to participate this year. The melodious strains of "Maria" won top honors for the Sigma Nu's who carried away the winning plaque.

Smile, you're on Candid camera.

Sigma Nu

Lambda Chi Alpha

Alpha Tau Omega

OFFICERS: Jack Cox, Treasurer; Tom Bosworth, President; Al Jannasch, Vice President.

A T Ω

A week before school began in the fall, the men of Alpha Tau Omega had already returned and were busy preparing the house for the coming year. Following the painting of the rear addition, most everyone began the artful task of redecorating rooms to suit individual tastes.

The first big undertaking after school began was the building of the homecoming display. Actives and alumni alike were delighted with the fine job and it was all topped off when "Rosie's Canning Factory" brought the first place trophy to the A.T.O. mantle.

As soon as homecoming was over and school was in full session again, many ATO's were seen to be very active in nearly every extra-curricular activity. Del Ellis and Rick

Front Row: George Wagner, Bob McKnight, Tom Bosworth, Mom Stewart, Bronis deSupinski, Al Jannasch, Lindley Ruddick; Second Row: Dave Rice, Rick Rapson, Dave Cripe, John Stineman, Larry Arnold, Andy Breece, Nick Kira; Third Row: Bob McCoige, Chuck Rose, Dick Cordill, Jack Cox, Chuck Yager, Dick Jensen, John Warnke, Chuck Huppert, Allen Wright.

Rapson were initiated into Tau Beta Pi and Al Jannasch, Rick Rapson, Dave Rice, Larry Shaffer, Allen Wright, Jack Cox, Dave Morgan and Bob McKnight held membership in Blue Key. Chuck Rose was president and Tom Bosworth vice-president of ASCE. Del Ellis organized the Flying Club and became its first president. George Wagner was president of the Radio Club, and Allen Wright president of the Campus Club. The Astronomy Club was organized with Bob McKnight as its president. ATO was well represented in publications with Rick Rapson as Editor of the MODULUS, and Jack Cox and Bill Allard as Managing Editors. Ron Chapman was Co-Editor of the EXPLORER and Evan Johnson News Editor. Bob Finney was Assistant Editor of the TECHNIC. Many of the other brothers held staff positions on all publications. Jim Copeland helped edit the new Student Handbook. Larry Shaffer was president of the Glee Club and Bill Kuschel commanded the Rose Rifles. Grady Wallace was president of the Sophomore Class and Lindley Ruddick president of the Junior Class. Student Council members were Ruddick, Copeland, Johnson and Wagner. Andy Breece held the presidency of SAME. Football players were Chuck Yager, Rich Reeves, John Slack and Dave Leonard. Grady Wallace received the Freshman Hemingway Medal and other brothers received Class Honors and were on the Dean's List.

The ATO social calendar was filled with dances and mixers with many of the sororities at Indiana State and several with St. Mary's. The ATO's had a picnic with the Chi Omega's, a "high school" theme party with the AOPi's, and a calypso party with Sigma Kappa. All these get togethers provided plenty of opportunity to meet those of the opposite sex.

In November the V.M.I. Dance was held with Sigma Nu in honor of the founding of both at Virginia Military Institute. ATO Social Chairman Dick Jensen provided many of the arrangements, and everyone had an enjoyable evening to the music of the "Dawnbeats."

At Christmas time Alpha Tau Omega, with Delta Gamma Sorority, held a party for thirty less fortunate children of Terre Haute. Guzzy used his natural talent and played Santa.

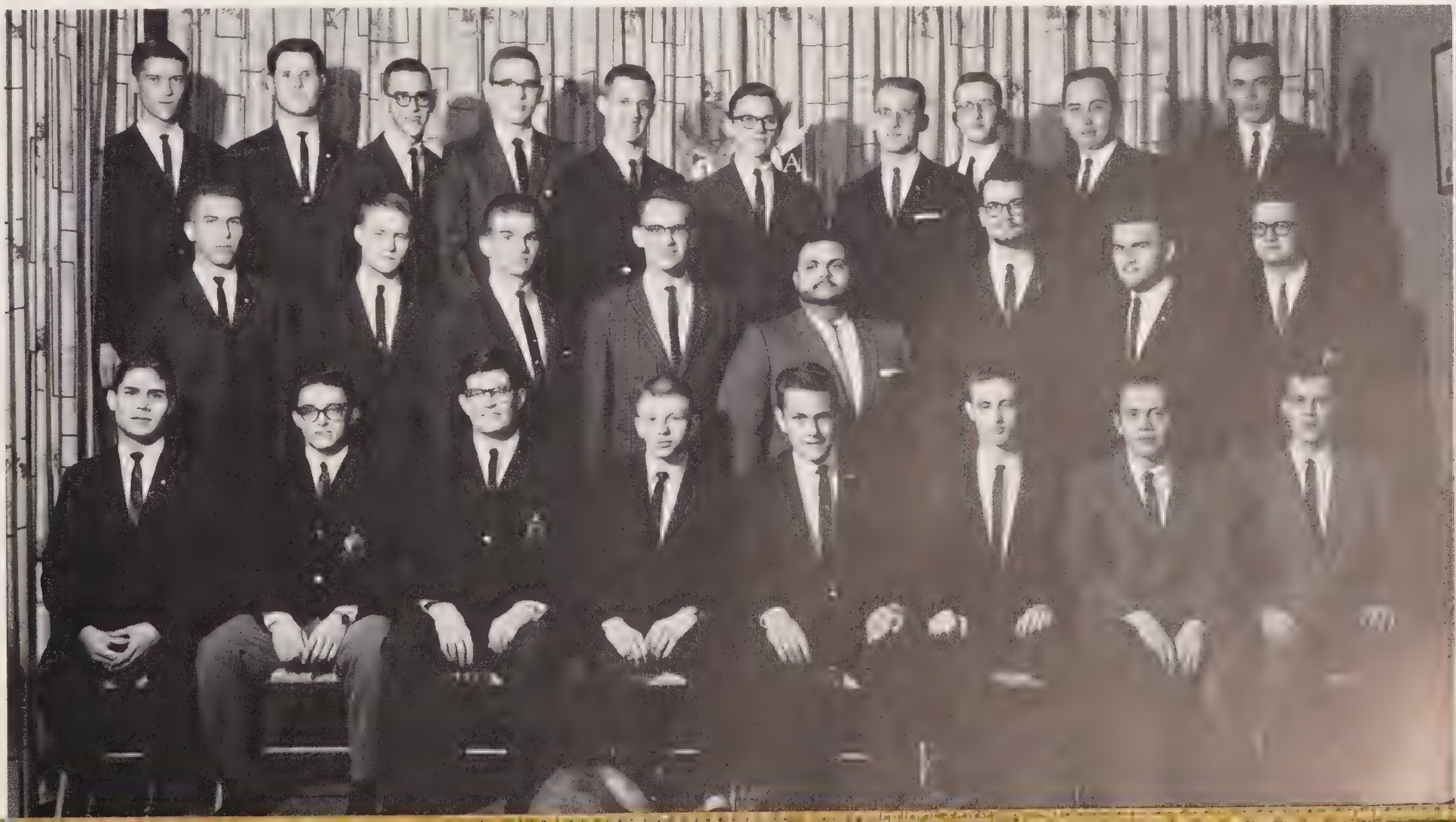
ATO is always ready and willing to help in civic affairs.

The men of Indiana Gamma Gamma also spent time with brother ATO's from around the state. State Day was held at DePauw and the Rose Tech Chapter came home with two trophies; one for outstanding scholarship and the other for public relations. In May the first annual Dual Dance was held with the ATO Chapter at Indiana State. Everyone enjoyed the events which brought us close to the men of ATO at other campuses.

The men of ATO feel that it is important to do their part in the community. One way is by participating in Heart Day. Another is with Goodwill Pick-Up Day.

It is easy to see that the life of an ATO is a full and happy one. Each member is proud to be an ATO and profits from the benefits he receives in his associations with ATO.

First Row: Bob Evans, Evan Johnson, Rich Reeves, Tau, Tom Takacs, Dave Leonard, Bruce LeRoy, Hal Coon, Dave Skevington; Second Row: Allen Welton, Jim Howerstein, John Slack, Jim Grosheider, Ron Gessel, Tim Lake, Bill Quirk, Mike Wadsworth; Third Row: Roger Long, Jerry Stineman, Jim Copeland, Paul Wycoff, Jim Doolittle, John Frisckorn, Grady Wallace, Terry Fenimore, Ron Chapman, Dan Lenz.



Left to Right: Bill Nicewanger, Pledge Trainer; Bill Randolph, Treasurer; Tom Holmes, Secretary; Max Goodwin, President.

Λ X A

The school year of 62-63 has been another success for the men of Theta Kappa of Lambda Chi Alpha. In the field of scholarship, Theta Kappa was ranked third naionally in a field of 153 Lambda Chi chapters, and the chapter was again able to win the Inter-fraternity scholarship trophy for the fall semester. Much credit for such a record should go to the past and present scholarship chairmen Bob Valle and Bob Gordon who instituted the fine scholarship program of Lambda Chi. Counting this year, this makes almost nine years that Lambda Chi has won the trophy. It should be noted, however, that in order to maintain such a record, each man in the chapter must constantly strive for scholastic excellence.

First Row: Bob Allen, Bob Leonard, Mars Gralia, Don Miller, Bill Nicewanger, Bill Barone, Carl Moffett, Bob Dice; Second Row: Bill Bergstrand, Dave Randolph, Max Goodwin, Greg Bolt, Ken Miller, John Rohr, Bruce Kopf, John Stockton, Ron Turaski, Vaughn Love, Bob Gordon, Bob Valle, Jim Watkins, Dale Barkley; Third Row: Allen Stanley, Tom Terry, Jack Hobbs, Ron Susemichel, Jeff Lew, Dave Dumford, Jim Schulz, Bill Templin, Tom Holmes, Wilford Stratten.

Life in Lambda Chi, is not confined to just scholarship. The social program was full, especially during the spring semester. Throughout the year the chapter held many social functions, with the women of St. Mary of the Woods and with the sororities at Indiana State. In addition to these functions many rather special occasions took place. For example, the Homecoming celebration, the first major activity of the year. Under the able direction of Homecoming chairman Tom Terry, the chapter put in many hours to create the display entitled "Dr. Ben," the theme based on the television series, Dr. Ben Casey. Some activity was in progress almost constantly during the entire three days. The weekend was a great success and the main goal, that of seeing again or meeting the alumni was fulfilled to the fullest degree. Other such occasions were State Day, the White Rose Formal, the I-F Dance and the Pledge Dance.

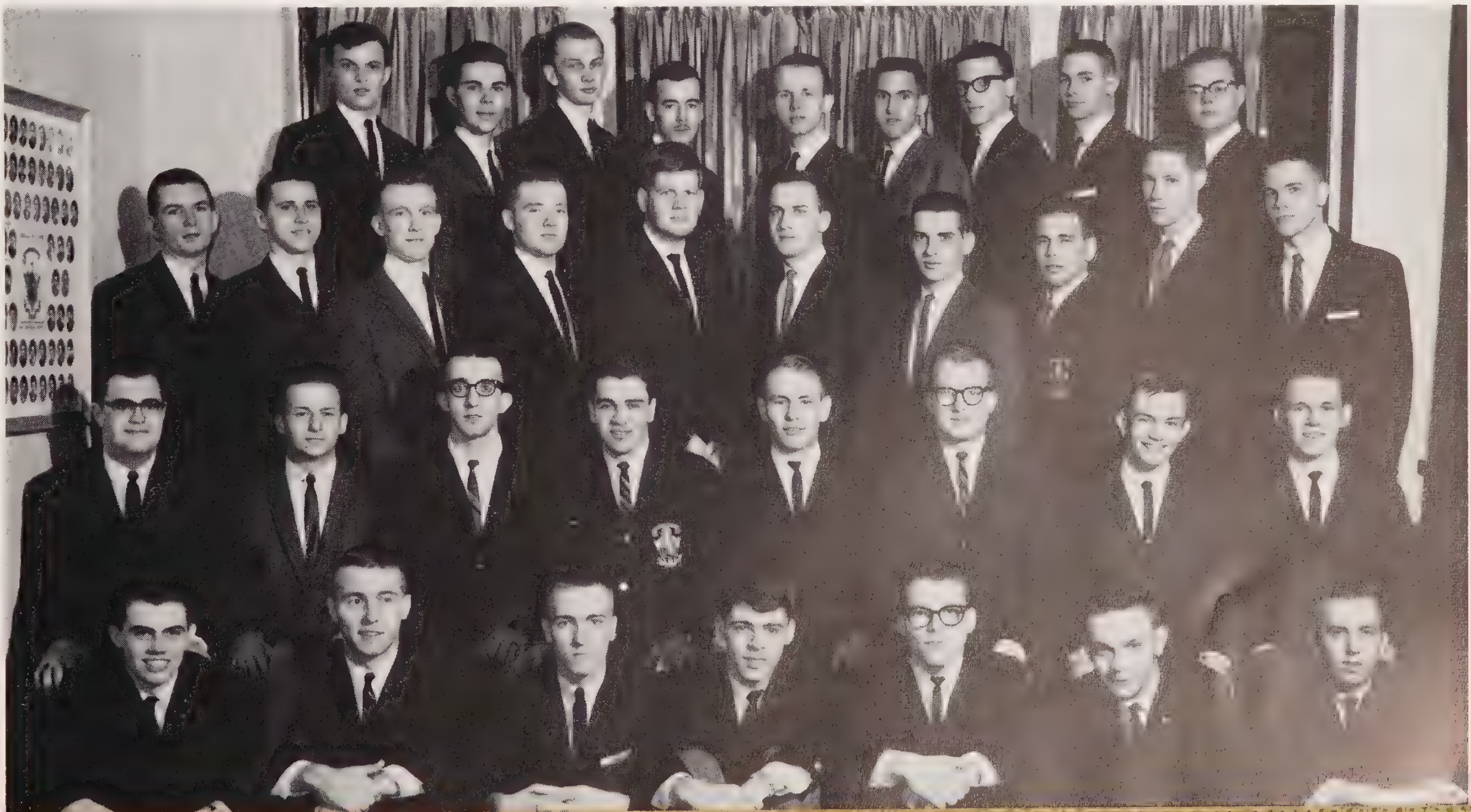
In the field of athletics, Lambda Chi was again very active. The chapter participated in all Inter-Fraternity activities, finishing third in football and second in basketball. Several brothers carried the Rose colors into battle throughout the year. Brothers Dave Randolph, Bill Kovacs, and Bob Blahut played varsity football. John Stockton and pledge Dennis Lind participated in varsity basketball. Brothers Jim Young, Bob Valle and John Diefenbaugh, along with pledges Ed Jirousek and Tom Sprouse all played varsity baseball and Brother Steve Watson with pledges Larry Sachs and Bob Sandberg handled the track competition.

Extra-curricular activity is also an important part of Lambda Chi Alpha. Brothers Ken Miller, Max Goodwin, Curt Jones, John Rohr and James Watkins are members of Tau Beta Pi. Lambda Chi was well represented in Blue Key by Ken Miller, Bill Nicewanger, Jack Hobbs, Bob Valle, John Stockton, John Rohr and Mike Thomas.

Lambda Chi did much in the field of chapter activities this past year. In addition to Homecoming was the big Christmas party held at the house for 20 underpriviledged children in conjunction with nurses of Union Hospital. Rush is also one of the most important events of the year. Rush weekend consisted of six parties of approximately 25 Freshmen each. At each party, the Rushees had the principles and ideals of Lambda Chi explained to them in a short two hours. After the last party everyone awaited the fateful Monday morning when the Freshmen made their decisions. When the list came out, Lambda Chi Alpha had a fine pledge class of twenty one, some of the finest men of the Freshman Class. It is these men that will continue the principles and ideals of Lambda Chi Alpha. The year has been successful but in success, the brothers see how far they must go to obtain their goals. It is with this in mind that Theta Kappa of Lambda Chi Alpha is anxiously awaiting the future.

Lambda Chi Alpha's Homecoming display.
Dave Dumford and Tom Terry talk things over.

First Row: Tom Wilhoite, Bruce Johns, Ed Jirousik, Ron Hahn, Dennis Berry, Bob Crask; Second Row: Byron Buck, Norm Should, John Kuhn, Skip Szilagyi, Phil Halt, Bob Blahut, Larry Sachs, Denny Linz; Third Row: Tobey King, Bill Lewis, Bob Sandberg, Max Joseph, Sandy Sutton, Howard Alm, Lowell Hardwick, John Diefenbaugh, Rex Robinson, Rick Floyd; Fourth Row: Steve James, Jerry Copenhefer, Ernie Kovacs, Dan Goodwin, Curt Pease, Tom Sprouse, Phil Carter, Larry Michaels, Mont Williams.



Σ N

OFFICERS, left to right: Rich Daugherty, Treasurer; Bob Lovell, President; Ed Downey, Recorder; Paul Goss, Vice President.

Looking back over the 1962-63 year the men of Sigma Nu can find many things that will be proudly remembered in the years to come. Our accomplishments this year have proven once again the immense value of a brotherhood and unity such as ours.

Working together under the able guidance of Brother Irwin, Robinson and Lepp we constructed a homecoming display that will be long remembered.

Again this year, Sigma Nus were very busy with campus activities. Brother Joe Grumme served as President of Blue Key and Rich Daugherty as Corresponding Secretary. Also serving Dear Old Rose through Blue Key were Brothers Lovell, O'Neill, Hoffman and Downey. Brother Steve Hoffman was also tapped for Tau Beta Pi this year. Many of the brothers were active in the field of journalism. Jim Brown was Sports Editor of the EXPLORER, Joe Grumme was Editor-in-Chief of the TECHNIC while Rich Daugherty was Layout Editor and Joe Griffin was Circulation Manager. In

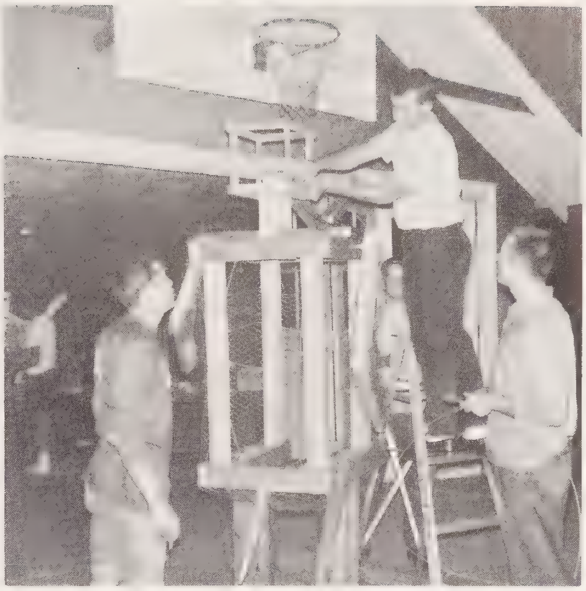
First Row: Tom Fite, Larry B. Hall, Dick Swan, Paul Goss, Jim Brown, Neil Irwin, Pete Pertrowsky; Second Row: Dave Holobaugh, Tom Davidson, Steve O'Neill, Bob Lovell, Paul Sabla, Gary Valbert, Al Ratz, Dave Niederhaus; Third Row: Tom Brown, Larry E. Hall, Pete Canalia, Don Pierce, Jon Toole, Larry Clemons, Joe Grumme, Steve Hoffman, Dave Larue, Ed Downey, Steve Charleton, Ray Lepp, Jerry Zinngrabe, John Sauser; Fourth Row: Joe Thurston, Andy Spangler, Don Marietta, Max Hinshaw, Mike Johnson, Gary Reynolds, Gib Robinson, Bob Bonson, Tom Bilia, Joe Wise, Joe Griffin, Brent Lower.

addition to these the staffs of both publications were filled with many Sigma Nus.

Several of the brothers served as officers in various campus organizations. Brother Steve O'Neill and pledges Jeff Brugos and Steve Chitwood held positions on the Student Council. Brother Neil Irwin was Vice President of the Senior Class, Steve Hoffman was V.P. of the Junior Class, and pledges Brugos and Elliot were President and Vice President, respectively, of the Freshman Class. In recent R-mens elections, Brothers Irwin and O'Neill were replaced as President and Secretary by Larry B. Hall and Ed Downey. Brothers Larry E. Hall and Joe Wise are President and Vice President of the AIChE; Steve Hoffman is President of the IEEE, and Tom Davidson is Vice President of the ASCE.

Despite their work in extracurricular activities the men of Sigma Nu still found time to give an excellent account of themselves in the field of athletics. Larry B. Hall was Captain and leading scorer as he led the 1962 Football Team through a much improved season. Pete Petrowsky was chosen as most valuable player. Brothers Paul Goss, Gary Shillinger, Steve Hoffman, Bob Clark and Pledge Jeff Brugos also added their gridiron abilities. Brother Ed Downey was Rose's Most Valuable Player on the basketball team this year, and was named to the all-conference team. Brothers Jim Brown, Bill Everson, Ed Holt and Gus Carroll also contributed their talents to the basketball team. On the Rose Varsity Baseball Team this year are Brothers Dave Gerstenkorn, Steve O'Neill, Rand Overdorf and Pledges Pat Dowdy and Don Lundgren. While contributing many fine athletes to the Rose varsity squads the Sigma Nus still managed to compile an excellent record in I.F. competition, winning the football trophy for the fourth straight year and going undefeated to win the basketball trophy. This gives us an excellent opportunity to win the all sports trophy for the fourth straight year.

Even with all their participation on other activities the chapter found time for a very full social season. Trade parties were held with SMW, Delta Gamma, Sigma Kappa, A O Pi, Zeta Tau Alpha and Chi Omega. Other festivities such as hayrides and date parties were thoroughly enjoyed by all the brothers. State day this year was also a tremendous success.

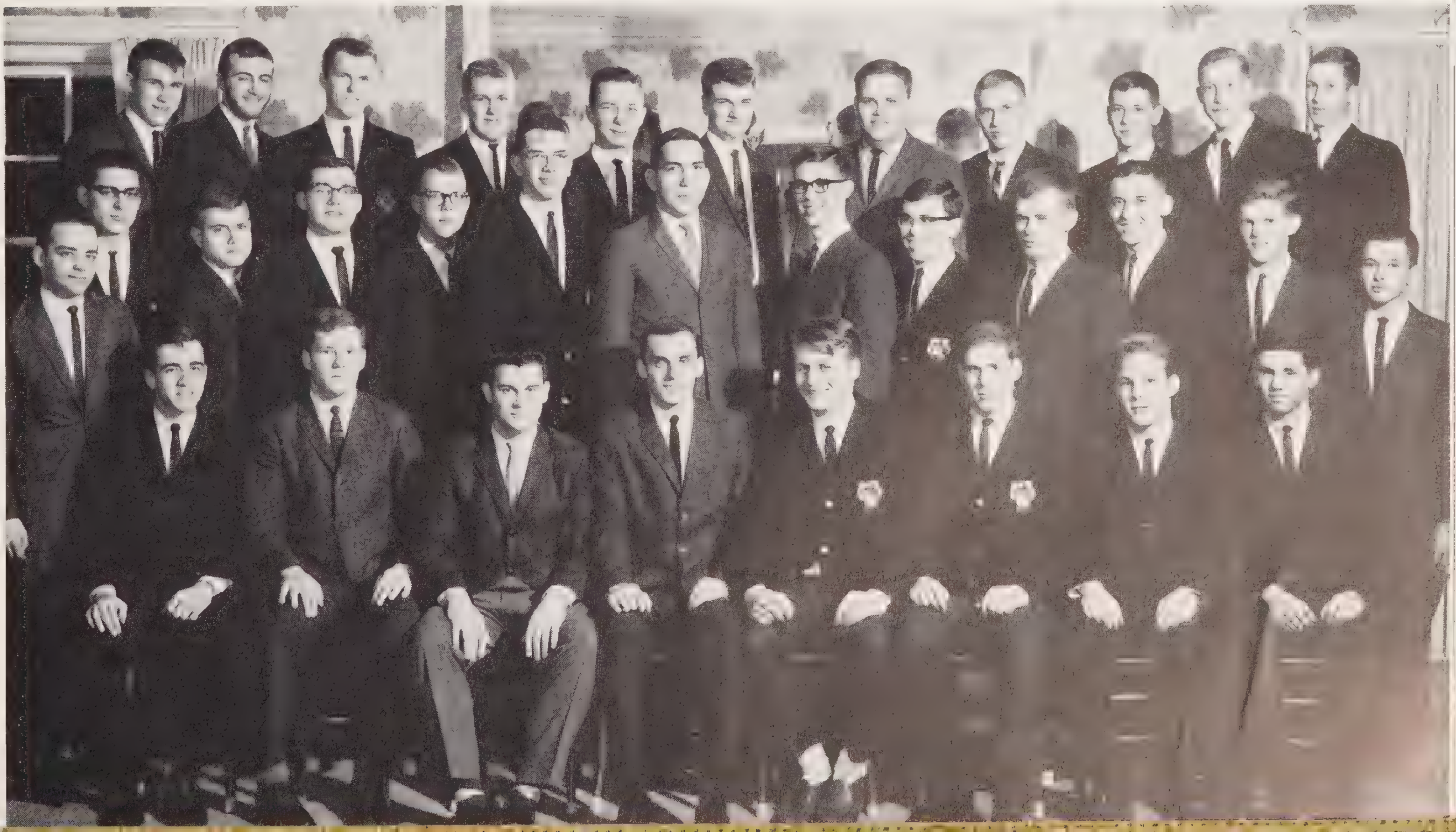


Late hours building our Homecoming display.

On the home front things were livened up quite a bit around the house by Brother Dave Niederhaus' presentation of a full size Great Dane pup to the chapter. All the brothers pitched their engineering talents in an attempt to build a fence capable of containing our canine monster. Most of the energy needed to complete this and all the other tasks undertaken throughout the year was provided by the excellent cooking of Aretta De Bow.

Pausing a moment to look backwards we realize how much we have accomplished in this past year. Perhaps the most important accomplishment was the pledging of fifteen of the most outstanding men in the Freshman Class. Our graduating Seniors who have done so much to make Sigma Nu what it is today can depart secure in the knowledge that those they leave behind will strive to reach and even surpass the goals which they have set, while maintaining our high ideals of honor, unity and brotherhood.

First Row: Steve Hill, Tim Mehan, Bill Bess, Steve Chitwood, Rand Overdorf, Dave Hussing, Jeff Brugos, Mike Francis; Second Row: Larry Jackson, Rello Crista, Bob Rose, Gus Carrol, Dan Elliot, Bill Everson, Ed Holt, Dave Hall, Bob Clark, Chuck Baker, Pat Dowdy, Dave Gersterkorn, Ron Galbraith; Third Row: Don Lundgren, Mark Zanglien, Bill Sims, Bill Roemler, Dallas Parks, Bob Barnett, Gary Shillinger, Jay Sinex, Pete Taylor, Steve Daugherty, Tom Daugherty.



Left to Right: Pat Hauert, Vice President; Nick Bradley, Junior House Manager; John Blanchard, Scholarship Chairman; Jerry Oxley, President; Bob Murray, Treasurer; Al Cleek, Senior House Manager; Curt Yee, Secretary.

Θ

Ξ

With memorable summer vacations at an end, the brothers of Theta Xi homed in from all parts of the nation, to our home on South Sixth Street. The journeys back were slow indeed, with each brother wondering how he was to penetrate the granite wall before him. Each also wondered what it was like on the other side. Each, however, returned with one consolation: that he would not be alone with his chore. All returned to the real home-away-from-home together with their brothers, who together would assault the chore.

Those who were perhaps 1/4 of the way through the wall, returned to see what home-life-away-from-home really was like. They were not to be disappointed in any way, and found that life at Theta Xi made the chore almost passable. Living, working, and playing as brothers,

Front Row: Tom Evans, Jim McCosky, Bill Holt, Tom Yoshida, John Blanchard, Larry Marshall, Don Augenstein, Vic Risch, Steve Kern; Second Row: Joe Byrd, Bruce Baker, Bob Murray, Lynn Roberts, Jerry Oxley, Curt Yee, Bud Weiser, Warren Foy, Charles Spencer, Dave Nancrede, Bill Collins, Bob Brown; Back Row: John Willman, Jerry McGraw, Bud Watson, Gene Lovelace, Bob Steder, Bernie Landsbaum, Nik Bradley, Bill Teeguarden, Mel Izumi, Al Cleek.

gave each a feeling of security that is found here. They, getting home from the quarry at night and discussing various techniques of attacking the big problem, soon found that the time passed quickly. Those returning from their third section of the wall, already knew what Theta Xi offered, and returned reluctantly, yet knowing that there was some happiness in store. However, those returning with but one thickness to penetrate, had a different view of the subject. They returned, looking forward to a great deal of fun which was to be offered by the brotherhood.

Now, with the end close at hand, the entire texture has changed. Each brother is looking back, not remembering the bad occurrences, but only the good. Each remembers the time of activity, such as interfraternity sports, which provided a healthy outlet for energy and a chance for the guys to work together as a team. There were also times of quiet "bull" sessions lasting into the quiet hours. Other memories of mixers, date parties, hayrides, and fraternity dances were also given sentimental attention. Moments of help for others were also given attention. Theta Xi's second annual roadblock to collect money for Muscular Dystrophy was an especially memorable one. Many types of people were encountered on that day. A moment of true memory occurred when a woman being accosted for a donation, refused and continued walking. After taking a few steps, her six-year-old son said, "Wait, Mommie." He thereupon reached deep into his pocket, and brought forth a nickel which he deposited in the collection can. Instances like these made us feel our time was very well spent.

Each brother also remembers the big task that occurred immediately after the end of the first semester: rush. Everyone was naturally worried as we went through that horrendous weekend. However, when the dust of battle finally cleared, we found ourselves with nineteen great new brothers. Soon the actives found themselves the victims of a continuous series of ingenious pranks that grandchildren will be told of. The pledges also proved to be quite a working group, selling their entire order of candy, and having to turns cars away from their carwash. Actives returned from the varying climes of Easter Vacation to find the workers had completely remodeled several rooms in preparation for Theta Xi's annual pledge dance, the "Bowery Ball." The actives feel they can rest assured that the new brothers will carry on the new traditions that mean so very much to all Theta Xi's.

Always a fair deal.

With all events passed and remembered, it seems almost a pity to leave for another year. However, it is with a sweet taste in our mouths. that we leave our chore at the wall. some for good, having broken through, others with their job not yet completed, and perhaps looking forward to the coming year at Theta Xi.

Front Row: John McDaniel, Bob Coltharp, Mike Redman, Joe Rein, Greg Samoluk, Steve Windler, Mike Schultz; Middle Row: Chester Choy-Hee, Joe Tynan, Scott Skjordahl, John Norris, Lee Klausman, Joe Carving; Back Row: Bill Goodwin, Denny Kos, Bob Wattlesworth, Pete Grafe, Dave Saad, Tony Siemer.

EARLHAM
21
RP
15
2

89

SPORTS

FOOTBALL

Captain Larry Hall

The fighting Engineers of Rose Poly started off their football season with a new coach. Carl T. Herakovich, a 1959 Rose graduate, returned to aid the team in its quest for victory.

The season began with an all-school Pep Session in the auditorium. The yelling and shouting sent the team off royally to meet their first opponents, Taylor University in central Indiana. The Engineers met defeat, by a 55-0 score on September 22.

Coach Herakovich and his men came back for a three game home stand. The first combat saw Rose facing Illinois College on September 29. The Engineers gave it their all and were in the game until the final quarter when the score stood 21-12 in favor of Illinois College. But in the fourth period, the opposition scored an additional twenty points finalizing the score at 41-12.

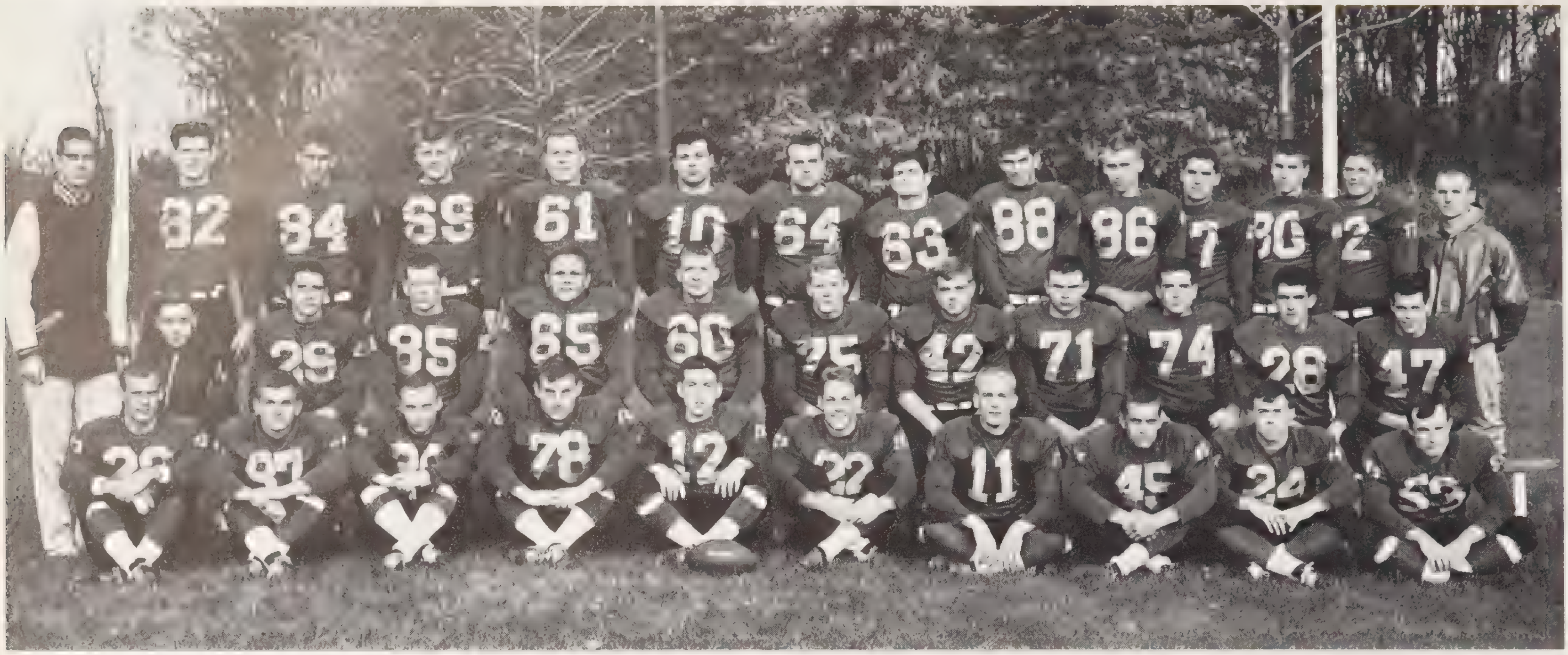
The next week, Eureka College came to Terre Haute and Rose Poly snapped a thirteen game losing streak by defeating them 20-12. The impressive offense plays and the much improved defensive organization aided in this victory.

The Homecoming game followed on October 13 and the Engineers lost a heart breaker, 14-12. Concordia College's conversion of two point-after-touchdown plays, gave them the narrow margin needed for victory.

Rose then went on a two week road trip. First to Elmhurst where they suffered a 27-6 loss. For some reason, the Engineers couldn't seem to click in this game and virtually gave the Elmhurst ball club 27 points in the first three quarters. Rose's TD came on an 83 yard punt return run in the closing minutes of the game.

Leading the cheers for Rose at the Lost Creek Stadium were, left to right: Nancy Wilson, Denny Karwatka, Jane O'Rouke, Isabel Vallecillo, Ron Gussell, and Peggy Buber.

Pete Petrowsky and Jeff Brugos stop a threat as John Stewart looks on.



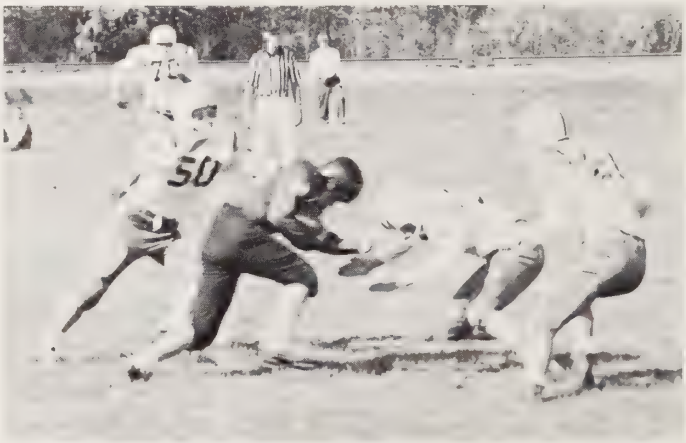
SEATED: Charles Yager; John Slack; Dwight Holobaugh; Pete Petrowskey; Larry Hall; Jeff Burgos; Vick Beattys; Dave Leonard; Bob Clark; Dave Randolph. KNEELING: Cheryl Mittchel, Mgr.; Bill Lewis; Bill Teeguarden; Gary Shillinger; Bob Blahut; Tim Meehan; Bob Rose; Mike Stucke; Pat Alden; Paul Goss; John Stewart. STANDING: John Klausman, Mgr.; Ron Decker; Joe Tynan; Woodrow Sutton; Mike Shoultz; Harry Slamkowski; Steve Hoffman; Richie Reeves; Mike Atkins; Gordon Phelps; Mike Vorkapich; James Abel; Pete Grafe; Coach Herakovich.

The following weekend, the team traveled to Earlham where another set back was encountered. This time it was 60-6. At the end of the first quarter the score stood 6-6 but the remainder of the game saw Rose's pass defense crumble as Earlham continued to score.

Returning home on November 3, Rose Poly's football team hit a Principia College wall and lost 42-6. The final game was played at Franklin College where the Grizzlies were victorious. 55-0.

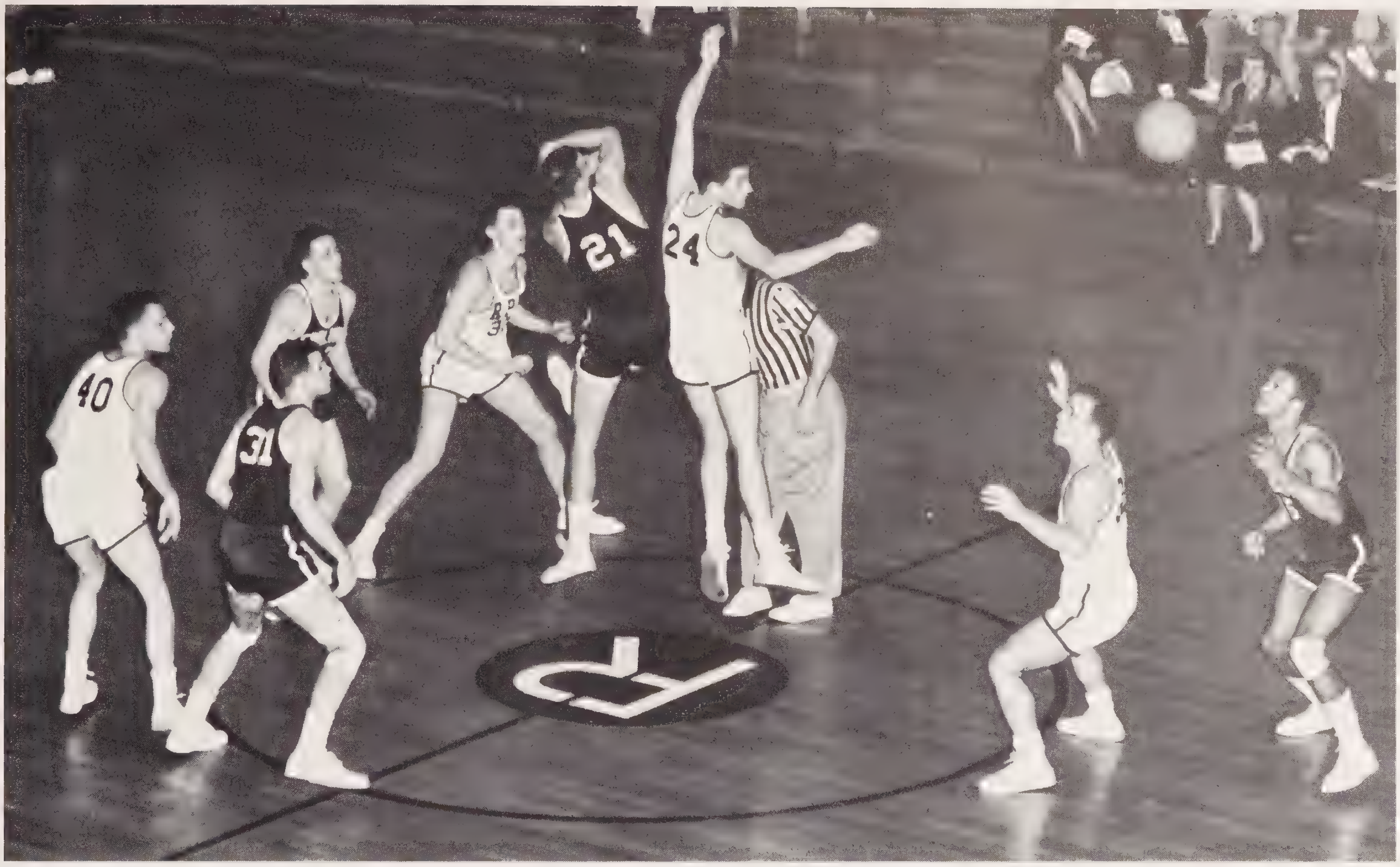
With a new coach at the helm and six of the starting eleven players being freshmen, it is obvious that the team is being built up. Support by both students and alumni indicated a true respect for the skill and the love of football which all of the players exhibited this past season.

Dwight Holobaugh gains some yardage for the Engineers.

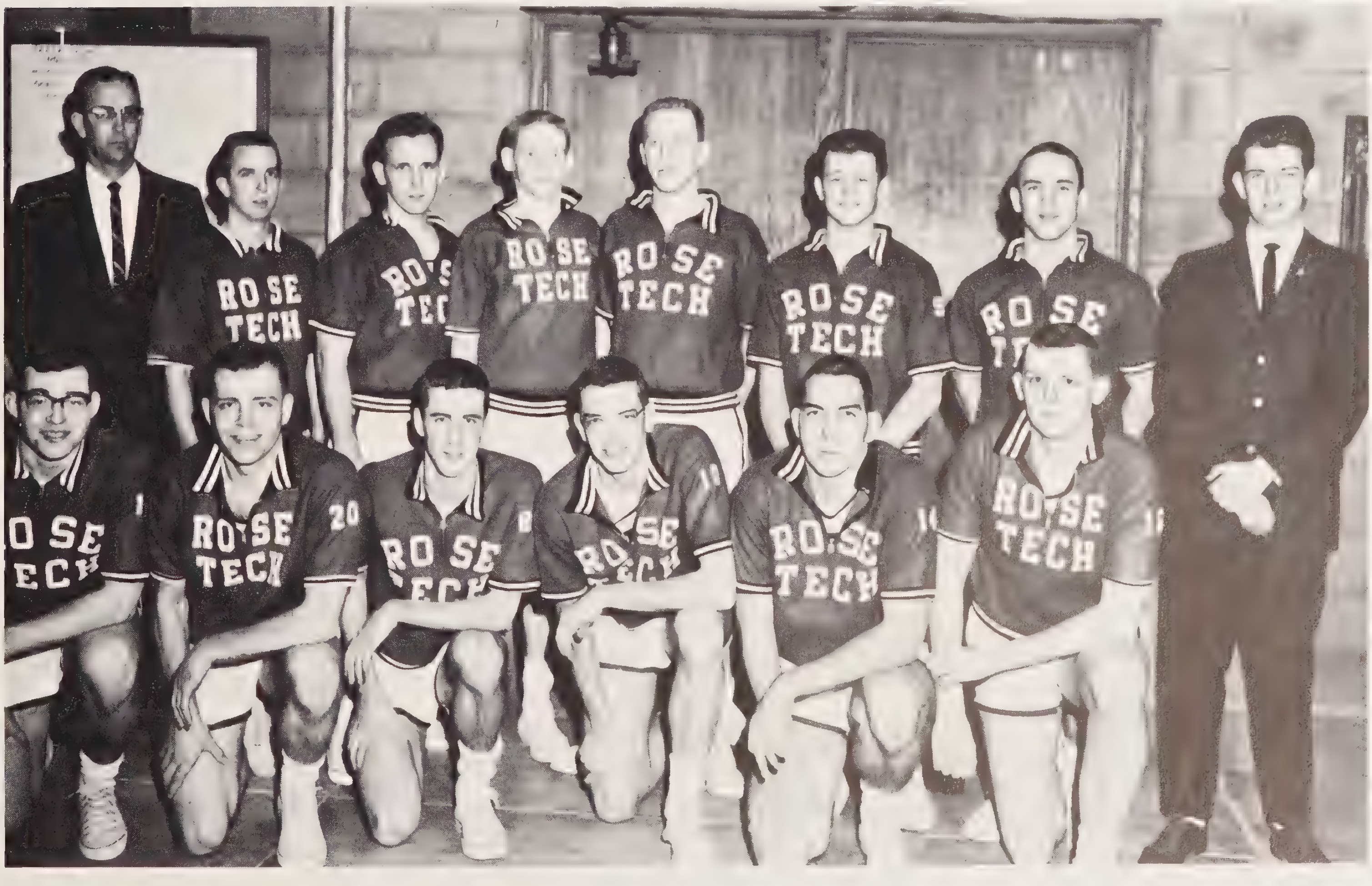


The Freshmen are always busy escorting Rosie after a Rose touchdown.

BASKETBALL

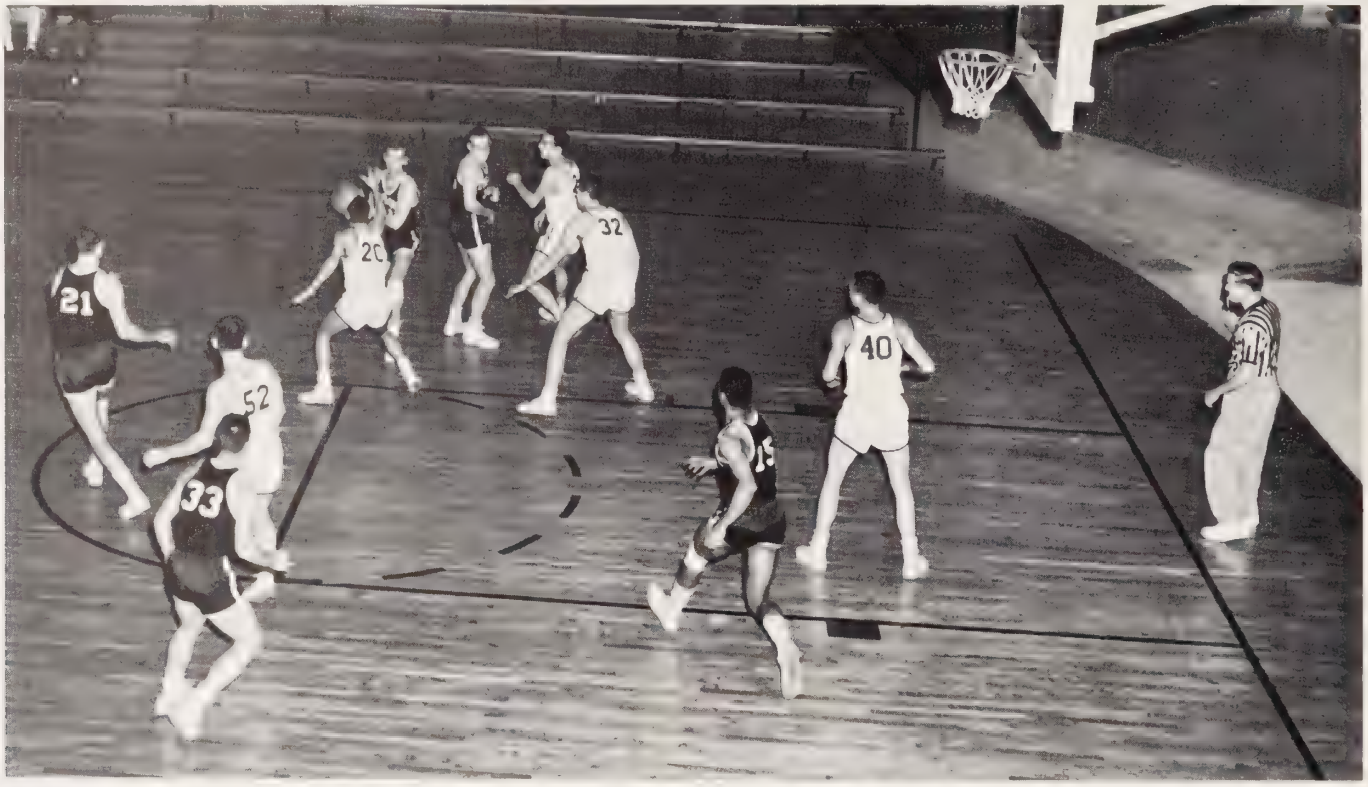


KNEELING: Gus Carroll, Ed Downey, Jack Braun, Bill Everson, Ed Holt, Steve Hart. STANDING: Coach Carr, Dennis Lind, Jim Brown, John Lynn, John Stockton, Tom Carter, Duane Wood, Ed Delporte, Mgr.



Phil Chute maneuvers for a better position.

The team demonstrates its ability on defense.



Steve Hart and Ed Downey were ready for the rebound.

Phil Chute scores for the Engineers.

Jim Brown slaps another one . . .

The Rose Poly basketball team terminated the 1962-63 season with an exciting 67-66 victory over Greenville College of Greenville, Illinois. The Engineers finished with a 4-14 record for the entire season and a 3-7 record for the conference matches.

This year Coach Jim Carr was assisted in his coaching position by Carl Herakovich, Rose's football coach. He proved to be an asset in giving Coach Carr more time to provide individual attention to the members.

This year was also marked by another first. In order to demonstrate more team conformity and to provide a more collective effort, the players were requested not to grow beards for the traditional Saint Pat's Dance. This was done to generate spirit and to give consistency to the B-ball squad. Two senior members, Phil Chute and Ron Danilowicz, refused to participate and were dropped after the Wabash game.

The season began on November 20th in a home game with Oakland City in which Rose narrowly missed victory by a 56-51 margin. In the next two games, however, the Engineers carried away both victory wreaths. The squad then traveled to Franklin College where they fell to a strong team 84-48.

The games continued and in spite of the rash of losses, the team was very well supported. Cheerleaders Dennis Karwatka and Ron "Guzzy" Gessel led the spectators through the various cheers. The very colorful cheers were loudly yelled and the fieldhouse practically rocked on its foundation during the home games.

As the season progressed so did Ed Downey's shooting; eventually he emerged as the team's leading scorer. He scored 15.5 points per game average, captain Phil Chute followed with 14.5 and Steve Hart was next with 14.0 point average.

Early in the season, Rose had a strong starting five with Phil Chute, Steve Hart, Duane Wood, Jim Brown, and Ed Downey. They played well together and were personally responsible for much of the strong spectator participation. Spirits were always high during the games, everyone realized how hard the team was working to keep basketball as important as it has always been. Cheering was the strongest during the Wabash game in which Rose was never ahead and eventually lost 76-55. The important aspect was that Rose was playing basketball although not necessarily always winning.

The season ended with a 66.5 points per game average for the Engineers and a 78.7 average for their opponents. Rose hit 38.9% of their baskets from the floor and 64.1% from the free throw stripe. Throughout the year, the squad demonstrated constant improvement and played as good a game against their strong opponents as against their weaker ones.

Chute shoots. . . . .

BASEBALL

Captain Denny Lawson

A triple . . .

The baseball season for the 22 starters on the squad began on April 22nd. Coach Jim Carr had given the team members extensive training up until their opener with Franklin College in Franklin.

Rose lost that first game by a very narrow 8-7 score. After that heartbreaker, the team went to nearby Marion College for a doubleheader. There, they traded scores: Rose won the first 3-2 and Marion won the second by the same score.

The first Prarie College Conference game followed, a home match against Greenville College. The team fell to Greenville, 12-4. On April 27th, Principia came to Rose Poly for a doubleheader. In that conference match, the baseball squad won the second game 9-4 after dropping the opener, 9-1.

Next, it was Rose Poly's turn to play ball at Greenville. The team came back on May 1st with a 6-2 victory under their belts. Two home matches against Illinois College followed and in both, the squad was victorious: 2-1 and 6-5.

Another game here with Franklin and the ball team lost, 11-9. The final match on May 11th was an away doubleheader against McKendree College in central Illinois. McKendree won both games, 19-2 and 9-2.

The 1963 baseball team ended the season with an overall average of 5 wins and 7 losses. The Prarie College Conference totals were 4-4.

Baseball Team, left to right: seated: Bob Valle, Ed Jirousek, Mike Prather, Tom Carter, Tom Sprouse; Standing: Joe Young, Jeff Keeler, Dave Gerstenkorn, John Diefenbaugh, Dave Lundgren, Coach Carr, Don Crowe, Dennis Lawson.

John Diefenbaugh makes a play at first.

Dave Lundgren scores for Rose.

Up and over.

TRACK

The 1963 Track Team was coached this year by a new addition to the athletic staff, Carl Herakovich. Under his supervision, the team participated in a total of ten different meets.

After an indoor practice meet with DePauw University, the team ran against Greenville College and lost. But during their next match, they came back with an indoor victory over St. Joseph's College.

At the outdoor invitational at Franklin College, Rose cleaned up on the track events but Franklin gained enough of an edge on the field events to win the match. Next, the team traveled to Blackburn College for a five team invitational. The track men came in third.

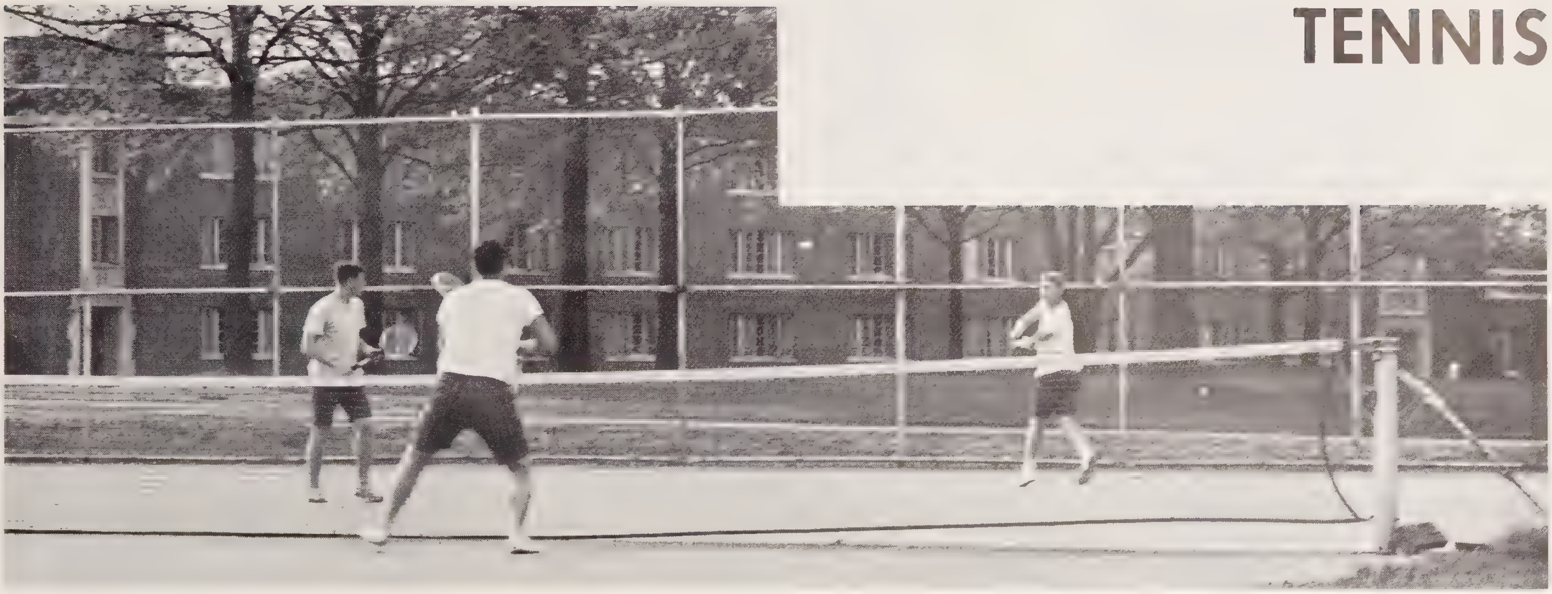
Rose held a three team invitational here and emerged second, just a few points behind Greenville and lost to them for the third time.

The Earlham College relays followed and Rose took third place in a field of six contesting schools. The track team also participated in the Prarie Conference meet and the Little State track meet.

Seated: left to right; Bob Haddix, Manager; Larry Sachs, Jeff Brugos, Dallas Hustler, Duane Wood, Bob Sandberg, Jerry Zinngrabe; Larry Logue, Asst. Coach, Bill Lewis, Steve Watson, Bill Kovacs, Lee Klausman, Dave LaRue, John Lynn, Carl Herackovich, Coach.

CAPT. DUANE WOOD

TENNIS

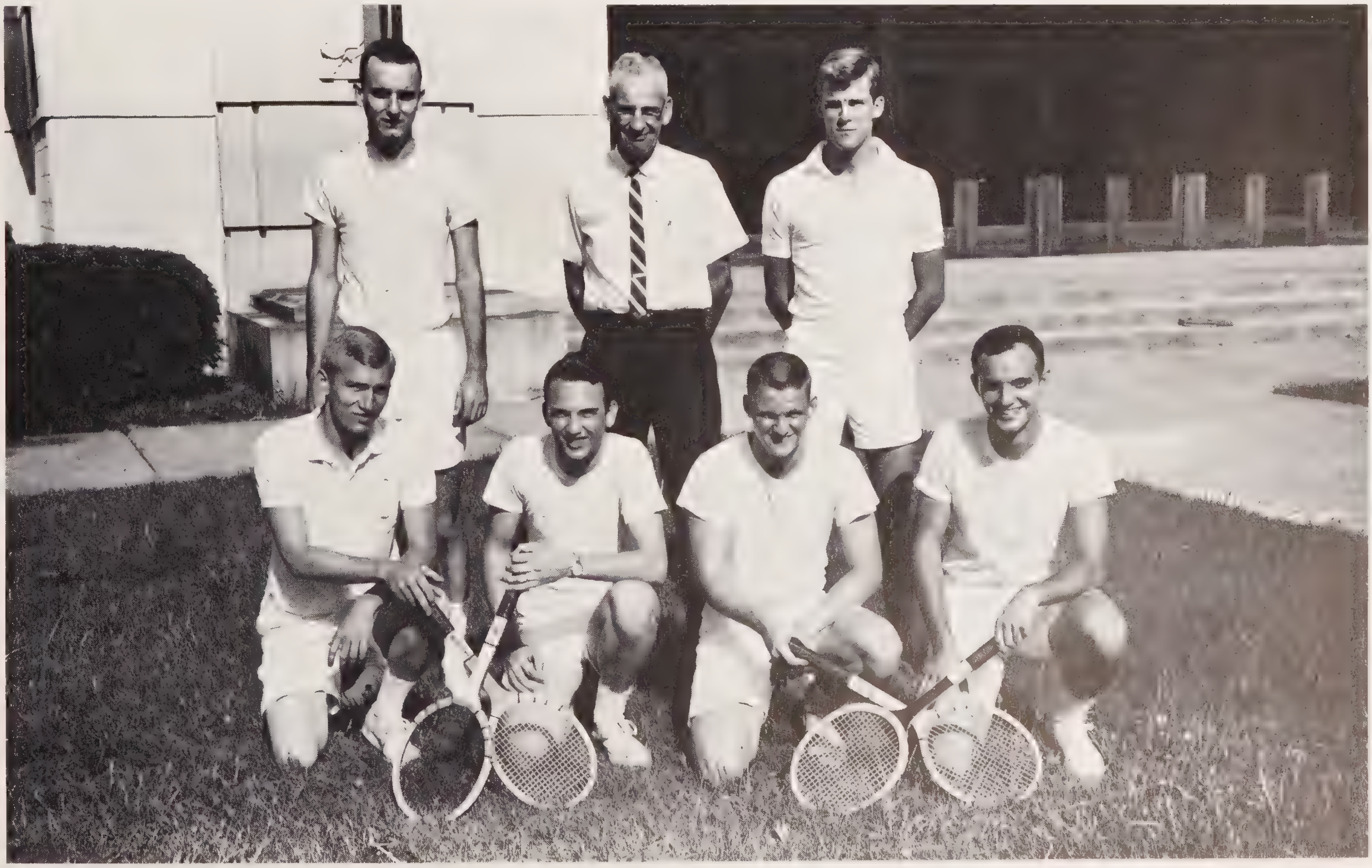


Student interest in tennis ran high last year, so the athletic department saw fit to sanction a tennis group to play in intercollegiate matches. The first year for the team netted the seven man squad a great deal of experience, though few victories.

The team, coached by Max Kidd, participated in three matches and lost all of them. They played against Marion College (4-3), Wabash College (7-0), and Greenville College (7-0).

At the end of the short season, the players conducted a sort of round robin tourney among themselves to determine who was the best player.

Kneeling, left to right: Jay Sinex, Larry Anderson, Bob Lewsader, Jim Hunt; Standing, left to right: Dave Nancrede, Coach Kidd, Tom Terry.



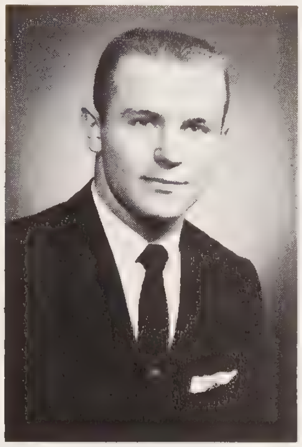
GOLF

Considering that this was the first year for the Golf Team, they did very well in intercollegiate competition and conference play. This new group was fostered by a large participation in the popular sport of golfing.

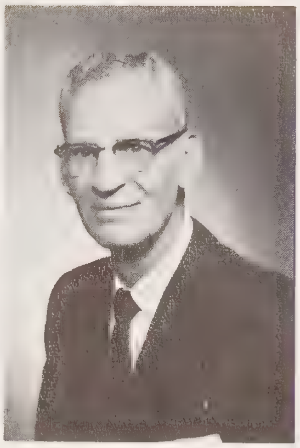
In individual college competition, the five man team won only two out of six. However, in the Prarie College Conference they placed third out of six. And in the Little State Golf Tourney (which is open to all Indiana colleges except Indiana University, Purdue and Notre Dame) the golf squad placed 12th out of 21. They defeated such schools as Franklin, Indiana Central and Anderson.

GOLF TEAM, left to right: Coach Max Kidd, Roy Mueller, Ray Ward, Jay Conniff, Bill Holland.

JIM CARR
Basketball and Baseball Coach; B.S., Indiana State College; M.S. Indiana State College; Dir. D., Indiana University; Blue Key.



CARL T. HERACKOVICH
Football and Track Coach; Lecturer in Civil Engineering; B.S., Rose Polytechnic Institute; M.S., Kansas University; Lambda Chi Alpha; Blue Key; A.S.C.E.; N.S.P.E.



MAX KIDD
Intramural Director; B.S., Indiana University; Acacia.

FOOTBALL

0	Rose	55	Taylor
12	Rose	41	Illinois College
20	Rose	12	Eureka
12	Rose	14	Concordia
6	Rose	27	Elmhurst
6	Rose	60	Earlham
6	Rose	42	Principia
0	Rose	55	Franklin

BASKETBALL

51	Rose	56	Oakland City
68	Rose	45	Eureka
82	Rose	64	Principia
48	Rose	84	Franklin
66	Rose	78	Illinois College
57	Rose	86	Vincinnes
88	Rose	101	McKendree
91	Rose	78	Blackburn
80	Rose	85	Earlham
56	Rose	90	Greenville
55	Rose	76	Wabash
57	Rose	74	Marian
77	Rose	86	Illinois College
50	Rose	91	Marian
67	Rose	80	Blackburn
68	Rose	104	McKendree
76	Rose	80	Principia
67	Rose	66	Greenville

TENNIS

3	Rose	4	Marion
0	Rose	7	Wabash
0	Rose	7	Greenville

GOLF

2	Rose	13	DePauw
6½	Rose	8½	St. Joseph
9	Rose	6	Indiana Central
11	Rose	4	Franklin
5	Rose	10	Franklin
3	Rose	12	Indiana State

BASEBALL

7	Rose	8	Franklin
3	Rose	2	Marian
2	Rose	3	Marian
4	Rose	12	Greenville
1	Rose	9	Principia
9	Rose	4	Principia
6	Rose	2	Greenville
2	Rose	1	Illinois College
6	Rose	5	Illinois College
9	Rose	11	Franklin
2	Rose	19	McKendree
2	Rose	9	McKendree

TRACK

49	Rose			55	Greenville
54	Rose			46	St. Joseph
61	Rose			70	Franklin
44½	Rose	68	Greenville	46	St. Joseph
57	Rose			74	Greenville

INTRAMURAL

Coach Max Kidd put forth his coaching efforts in setting up both the Intramural and Interfraternity Sports competition.

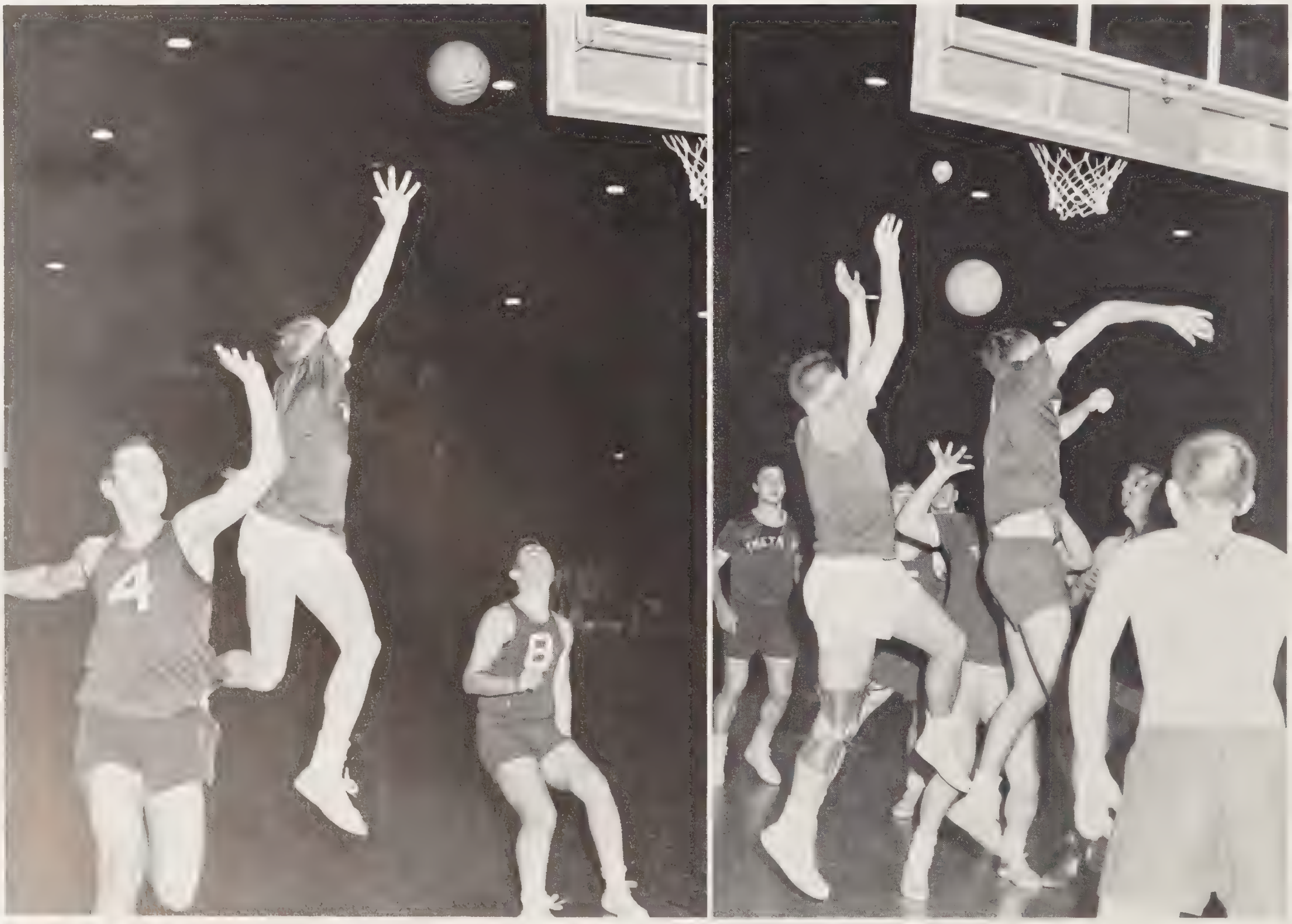
In the intramural league, the participants were active in football, bowling, basketball and baseball. Also, the regular IM track meet was held in the spring.

In the IF league, football was the important sport during the autumn season. After the games had finished, Sigma Nu emerged as the victor over the other three social organizations.

During the winter, the fraternity men moved onto the hardwood for their basketball matches. Once again, Sigma Nu was the leader.

The spring season brought out the bats and balls and softball matches. Several practices and many games later, Theta Xi wound up as the winner in IF spring competition.

At the end of the year, Sigma Nu was declared the winner of the Interfraternity All-Sports Trophy.



SPORTS

Keeping the football dry was a real feat.

A first class play at third.

GREEK READER
GRAPHIC SCIENCE

ACADEMICS

CHEMICAL ENGINEERING

J. NELSON REEDS
Professor and Head of the Chemical Engineering Dept.; B.S., M.S., and Ph.D. in Ch.E., State University of Iowa. Alpha Chi Sigma; Sigma Xi; Tau Beta Pi; Phi Lambda Upsilon; Alpha Tau Omega; A.C.S.; A.I.Ch..E.; A.S.E.E.

ANTHONY G. BLAKE
Associate Professor of Chemical Engineering; B.S., Rose Polytechnic Institute; M.S., Massachusetts Institute of Technology; Alpha Chi Sigma; Theta Xi; A.I.Ch.E.

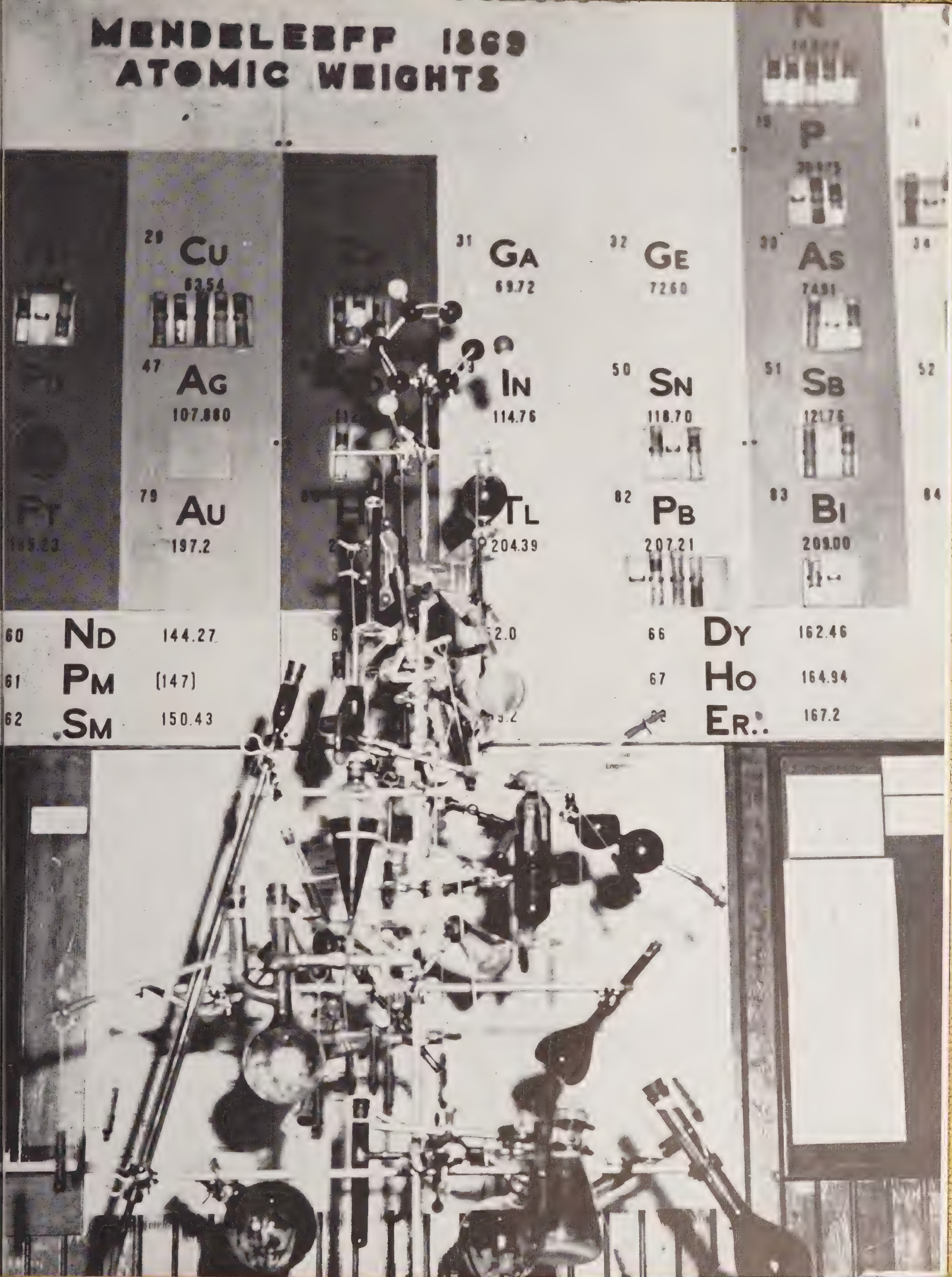
K. S. ANANTHA RAMAN
Assistant Professor of Chemical Engineering; B.S., Indian Institute of Science; M.S. and Ph.D., Purdue; Omega Chi Epsilon; Sigma Xi; A.I.Ch.E.; A.C.S.; I.I.Ch.E.; A.I.I.Sc.; I.I.E.

The Department of Chemical Engineering is located in the rear of the main building in what is often called "The Hole." Dr. J. Nelson Reeds is the capable department head with Professor Blake and Dr. Raman completing the staff for this year. Mr. Bowden is also a member of the Department staff; however, he has been on a leave of absence in an effort to further his education.

Since chemical engineering underlies the entire chemical process industries, the emphasis in the Department is to prepare men for careers in this area. However, the Department further prepares men for advance studies if they so desire. Rather than stress technical details, the purpose of the Department is to present fundamental principles. This is necessary considering the tremendously diversified chemical process industries. The industry continues to develop at a tremendous rate, and a consequence of this growth is a demand for chemical engineers, especially Rose chemical engineers, that is far greater than the supply.

The Department strives to prepare men capable of entering a wide spectrum of activities ranging from research to sales. The student is exposed to such unit operations as distillation, evaporation filtration, drying, and many others. The laboratory is packed with many interesting experiments, but still, improvements and additions are taking place. There are plans to improve those experiments which are presently inoperative and plans to purchase new equipment when the budget so allows.

The chemical engineering staff is a group more than willing to aid the student. They are able men with both practical and academic experience.


MENDELEEFF 1869
ATOMIC WEIGHTS
29 Cu 63.54
31 Ga 69.72
32 Ge 72.60
33 As 74.91
47 Ag 107.880
114.76
50 Sn 118.70
51 Sb 121.76
52
79 Au 197.2
Pt 195.23
Tl 204.39
82 Pb 207.21
83 Bi 209.00
84
P
60 Nd 144.27
61 Pm (147)
62 Sm 150.43
66 Dy 162.46
67 Ho 164.94
Er 167.2

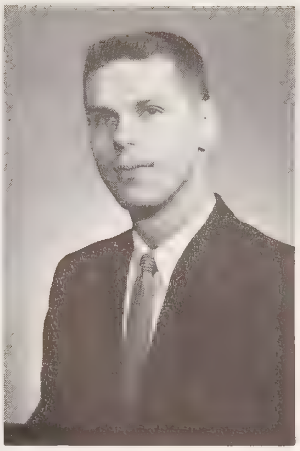
None other than Professor Blake...

THE AMERICAN INSTITUTE OF CHEMICAL ENGINEERS:
FRONT ROW: Curt Jones, Bill Kovacs, Denny Lawson, Jerry Bower, Joe Wise, Al Ratz; SECOND ROW: Gary Reynolds, Jim Webber, Paul Richardson, Larry E. Hall, George Holland, Paul Gummere; THIRD ROW: Dick Esker, Greg Bolt, Lynn Roberts, Bob Steder, Larry Anderson, Dale French, Bill Crynes, Dick Moench.

ENGINEERING GRAPHICS

NORWOOD E. BAUGHMAN
Associate Professor of Engineering Graphics and Head of Department; B.S., Michigan State University; M.S., Purdue University; A.S.E.E.

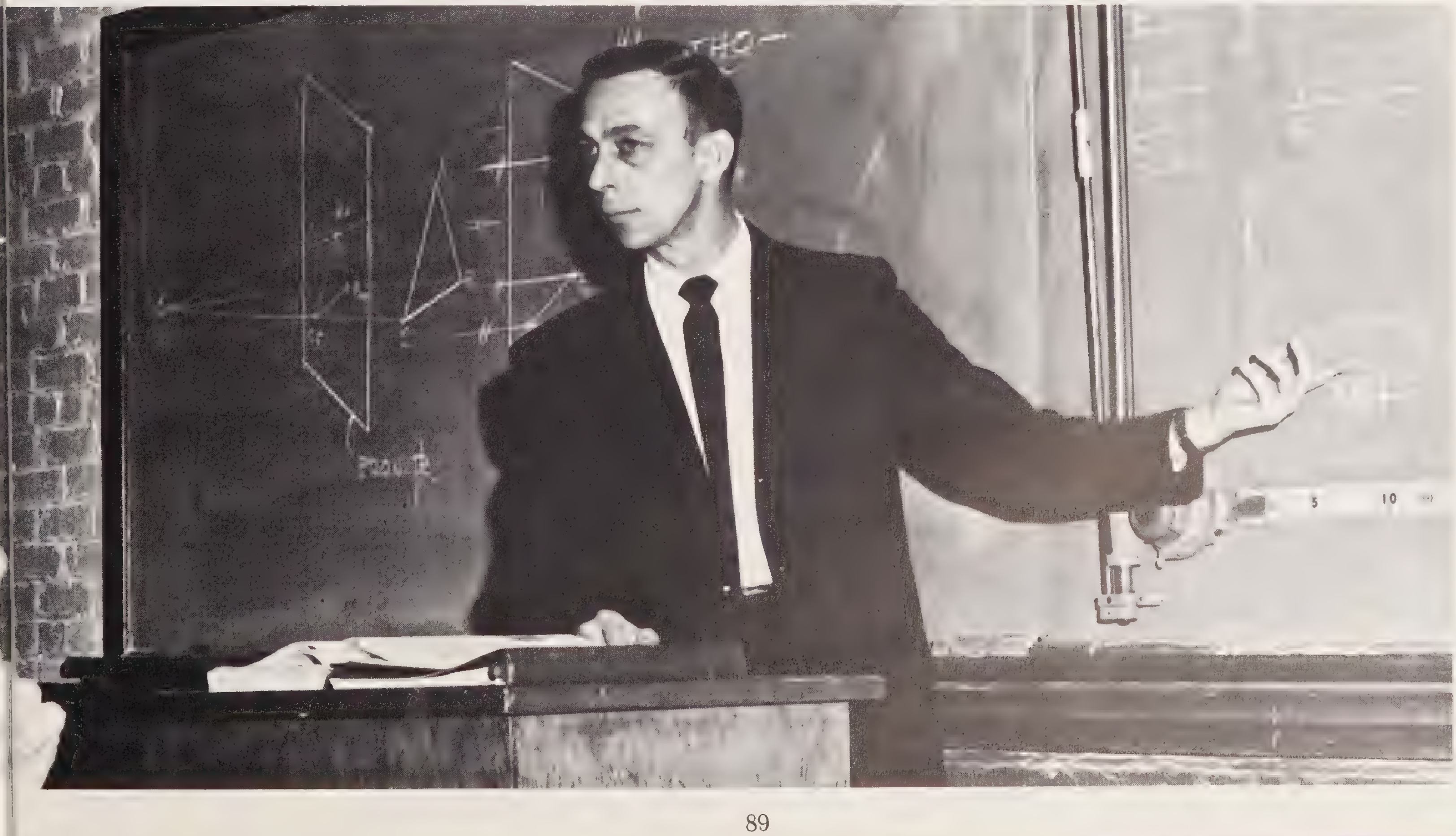
THOMAS W. GURBACH
Assistant Professor of Engineering Graphics; B.S., Indiana State College; M.S., Indiana State College; Phi Delta Kappa; Epsilon Pi Tau.



The Drawing Department has always concentrated mainly on teaching freshmen how to visualize figures in space and how to put ideas for mechanical apparatus on paper. This training serves as a solid background for future educational development and a deeper perception into the field of engineering.

Realizing that engineering is creativity in conjunction with neat and accurate drawings, the department has integrated its two previously basic courses, Engineering Drawing and Descriptive Geometry, into one common course, Engineering Graphics. This course requires the students to design a machine element for a particular application as well as to draw it. It allows the students the opportunity to actually design, develop and construct on paper, physical devices in a manner which is in keeping with typical professional practice.

Professor Baughman explains some of the fine points of descriptive geometry.



CIVIL ENGINEERING

RICHARD H. F. PAO
Professor of Civil Engineering and Acting Head of Department; B.S., St. John's University; M.S., University of Illinois; Ph.D., University of Illinois; Sigma Xi; Tau Beta Pi; Pi Mu Epsilon; A.S.C.E. A.S.E.E.; A.G.U.; A.A.U.P.; A.A.A.S.; S.E.S.A.; I.A.H.R.; S.H.T.

THOMAS A. DUWELIUS
Associate Professor of Civil Engineering; B.S., Rose Polytechnic Institute; M.S., University of Illinois; Tau Beta Pi; Alpha Tau Omega; P.E.; A.S.E.E.; A.S.C.E.; A.C.I.

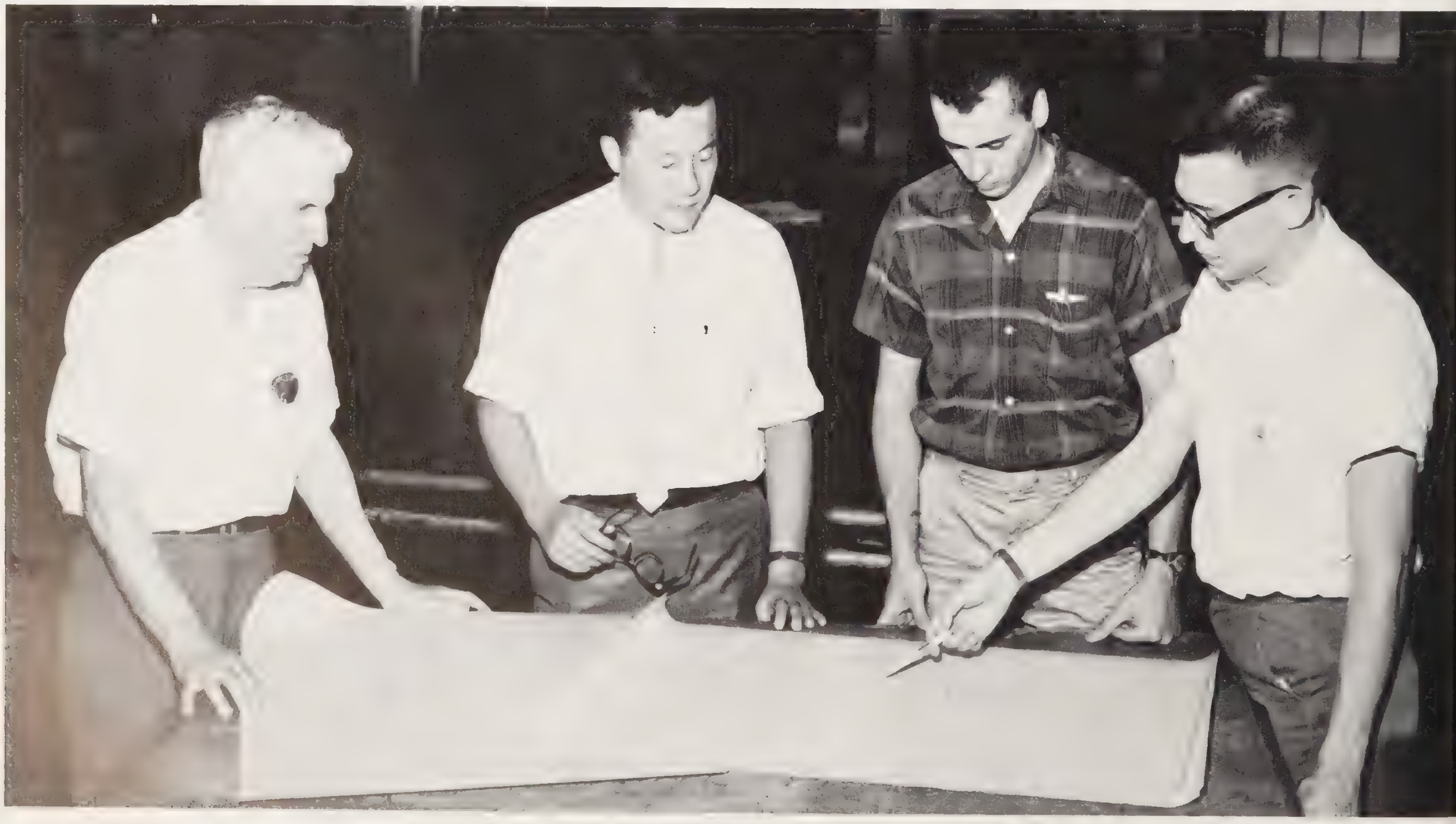
ROBERT M. ARTHUR
Associate Professor of Civil Engineering; B.A., Ripon College; B.S., Northwestern University; M.S., Harvard University; Lambda Chi Alpha; P.E.A.W.W.A.; W.P.C.F.; A.S.M.; A.S.E.E.

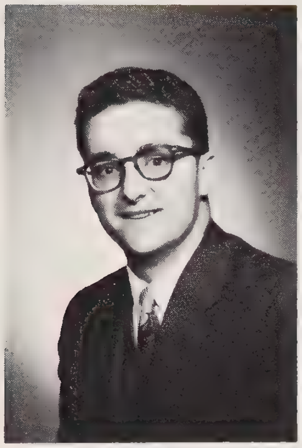
With the resignation of Professor Edward MacLean, Doctor Richard Pao took over as the acting head of the department. Over the past year there have been many changes in the physical development of the Civil Department as well as in the internal structure.

The most obvious change this past year was in the construction of the Civil Engineering Design Laboratory at the west end of the lab. Separate offices were constructed for Dr. Pao, Prof. John Demeter, Prof. Thomas Duwelius, and for the new man in the department, Mr. Dennis Sapp. Prof. Robert Arthur's office remained in the Sanitary Engineering Laboratory on the lower level.

The Civil Department continues to be one of the most progressive on campus. Both Prof. Arthur and Mr. Sapp are working on projects towards their doctorate degrees. The program of study has continued to expand in order to more completely cover such areas as sanitation, structures, street design, and hydraulics.

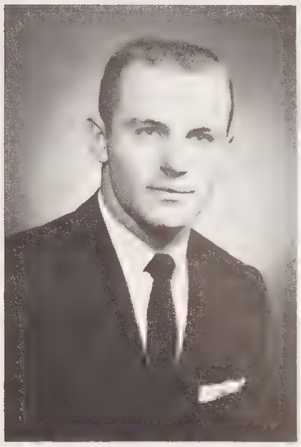
Professor Maclean and Alfred Yee go over some plans for the remodeling of the design lab with Jerry Nickerson and Chuck Rose.





JOHN DEMETER
Assistant Professor of Civil Engineering; B.S., Carnegie Institute of Technology; M.S., Cornell University; A.S.E.E.; A.S.C.E.

DENNIS HENRY SAPP
Instructor in Civil Engineering; B.S., Architectural Engineering, University of Illinois; M.S., Architectural Engineering, University of Illinois; A.S.C.E.; A.C.I.; A.S.E.E.



CARL T. HERAKOVICH
Football Coach; Lecturer in Civil Engineering Department; B.S., Rose Polytechnic Institute; M.S., Kansas University; Lambda Chi Alpha; Blue Key; A.S.C.E.; N.S.P.E.

The student chapter of American Society of Civil Engineers.

Jack Cox and Bob McCoige conducted an experiment on white mice in an effort to learn more about biological science.

HUMANITIES

GORDON K. HAIST
Professor of English and Head of the Department of Humanities and Social Sciences; B.A., North Central College; M.A., Northwestern University; Institute of General Semantics; International Society for General Semantics; A.S.E.E.

JOHN G. BIEL
Instructor in Economics and Law; Attorney and Counselor-at-Law; B.S., Indiana University; LL.B., Indiana University; New York University; American Bar Assc., Alpha Kappa Psi; Gamma Eta Gamma.

E. DUANE ELBERT
Instructor; B.S., Illinois State Normal University; M.S., Indiana University; Pi Gamma Mu; Phi Alpha Theta; LAMBDA CHI ALPHA.

Rose students participate in Little Africa Conference.

REID BUSH
Instructor; B.A., Harding College; M.A., Indiana University.

WILLIAM O. MAKELY
Instructor; B.S., University of Wisconsin; M.A., University of Chicago.

PETER F. H. PRIEST
Teaching Assistant; B.A., University of Illinois; A.A.T.S.E.E.L.

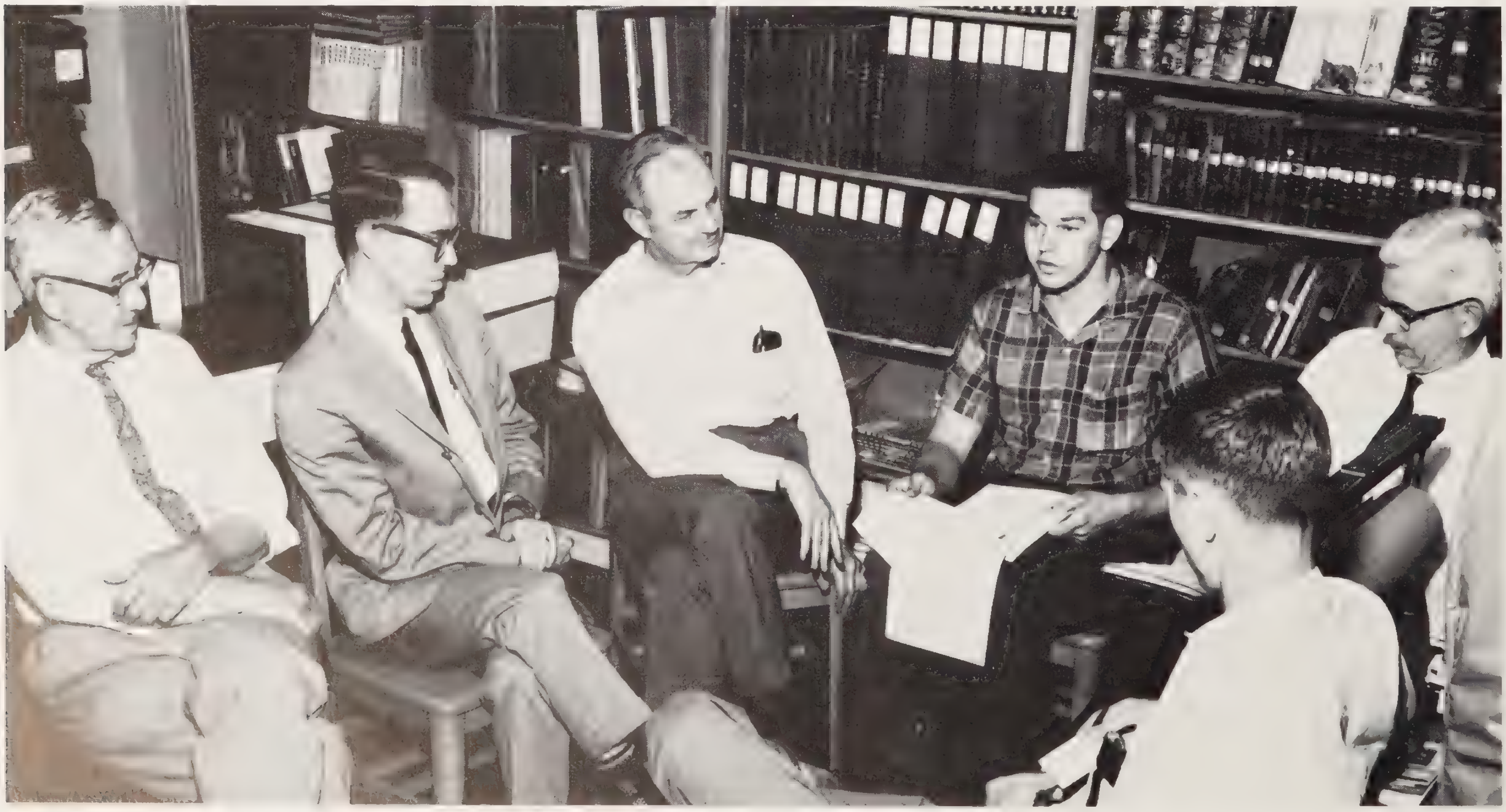
C. LEROY BAKER
Teaching Assistant; A.B., Harvard College.

The Humanities Department is doing a notable job in constantly improving its curricula and offering new and exciting subjects to the more tried and true ones. Introduction to Social Psychology and Architecture, Music and Painting are two new subjects which were widely accepted by the technically oriented Rose student body.

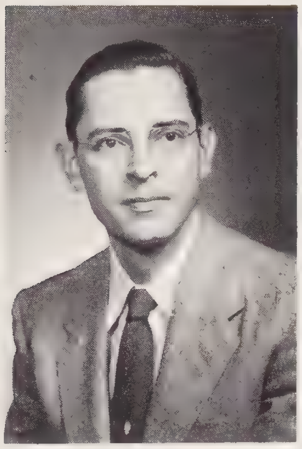
The departure of Professor Reid Bush after the first semester left a hole in the department's manpower. However, Mr. Leroy Baker, who came to teach first semester, did a good job in filling the gap. He, Mr. William Makely and Prof. E. Duane Elbert have brought youth and vitality to humanities at Rose while Prof. Gordon Haist and Mr. John Biel bring stability and experience. The department is very well balanced in this respect.

Under the able leadership of Prof. Haist, Rose Poly has witnessed the growth and development of the ideas of social science. These are the concepts of life which most nearly affect the future of all graduates and are as important to a technical training program as is a slide rule.

The faculty livens up during a Convo Committee meeting.



ELECTRICAL ENGINEERING



DARRELL E. CRISS
Professor of Electrical Engineering and Head of Department. B.S., Rose Polytechnic Institute; M.S., University of Illinois; Ph.D., University of Illinois; Tau Beta Pi; Sigma Xi; IEEE; ASEE; AAUP.

The electrical engineering department, the youngest of the four engineering branches at Rose, received a substantial monetary grant from the National Science Foundation this year. The award was for $22,830 and was used to purchase such things as oscilloscopes, pulse generators, audio oscillators, microwave equipment and other electronic gear for the Circuit Analysis and Electronics Lab. The money was especially appreciated since the school matched the amount of the grant for the double E department.

This was also a year which saw an almost total revamping of the curricula for starting students. The first three circuits courses now carry additional hours of credit. And new subjects, like Electric Materials, are now required for upperclassmen.

Also, the graduate program finally evolved into a planned and coherent schedule of study. Three students were enrolled in this side of the electrical department's teaching area: Rod Bogue, Jerry Hahn and Fred Terry. In addition to studying, the three students assisted in instructing and also worked on outside projects. Rod was working on a project for the Detroit Edison Company aiding in the computer solution of a fourth order non-linear differential equation. Jerry was working on microwave parametric amplification and Fred on the measurement of electromagnetic waves in plasmas.

Professor Ken Carr was on leave to the University of Illinois where he is studying for his doctorate. He is expected to return in February of 1964 to resume his old position with the new title of "Doctor" before his name.

To wind up four years at Rose, the senior electricals were required to design and construct some unique electrical apparatus. Up until May, everything was a shambles. But then, the other students began to see saw-tooth wave generators, optical lasers, thermoelectric refrigerators and other devices which showed everyone that they were truly double E's.

If we just substitute this one farad capacitor for the one ohm resistor. . .

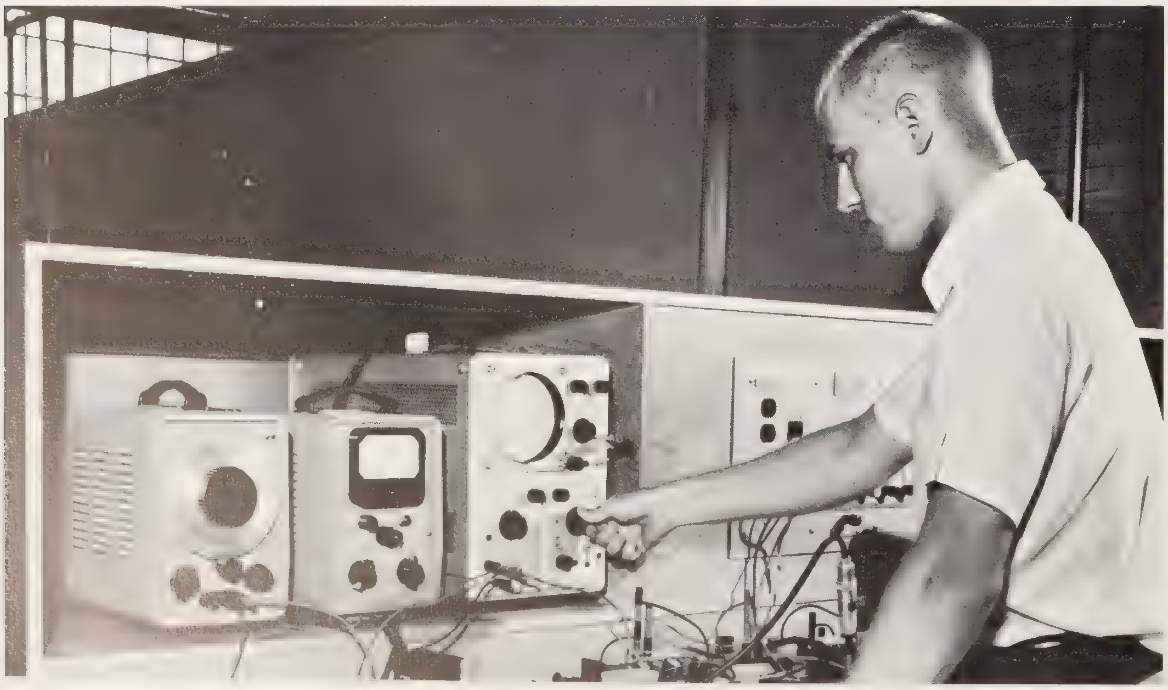
CHARLES C. ROGERS
Associate Professor of Electrical Engineering; B.S., M.S., Ph.D., Purdue University; Eta Kappa Nu; Tau Beta Pi; Sigma Xi; A.S.E.E.; A.A.U.P.; I.E.E.E.

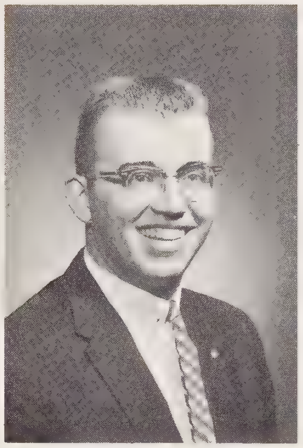
HENRY WINTON
Instructor, Electrical Engineering; B.S., Purdue University; M.S., University of Illinois; Eta Kappa Nu; Tau Beta Pi; A.I.E.E.; I.R.E.

JOHN H. DERRY
Assistant Professor of Electrical Engineering; B.S., Rose Polytechnic Institute; M.S., Purdue University; Tau Beta Pi.

Dr. Rogers explains some of the finer points.

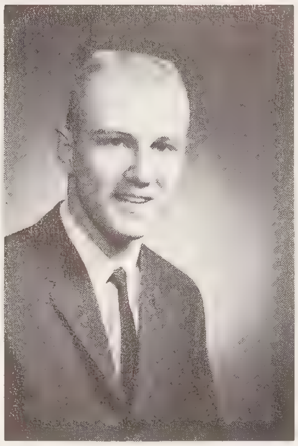
Just plug it in and . . .



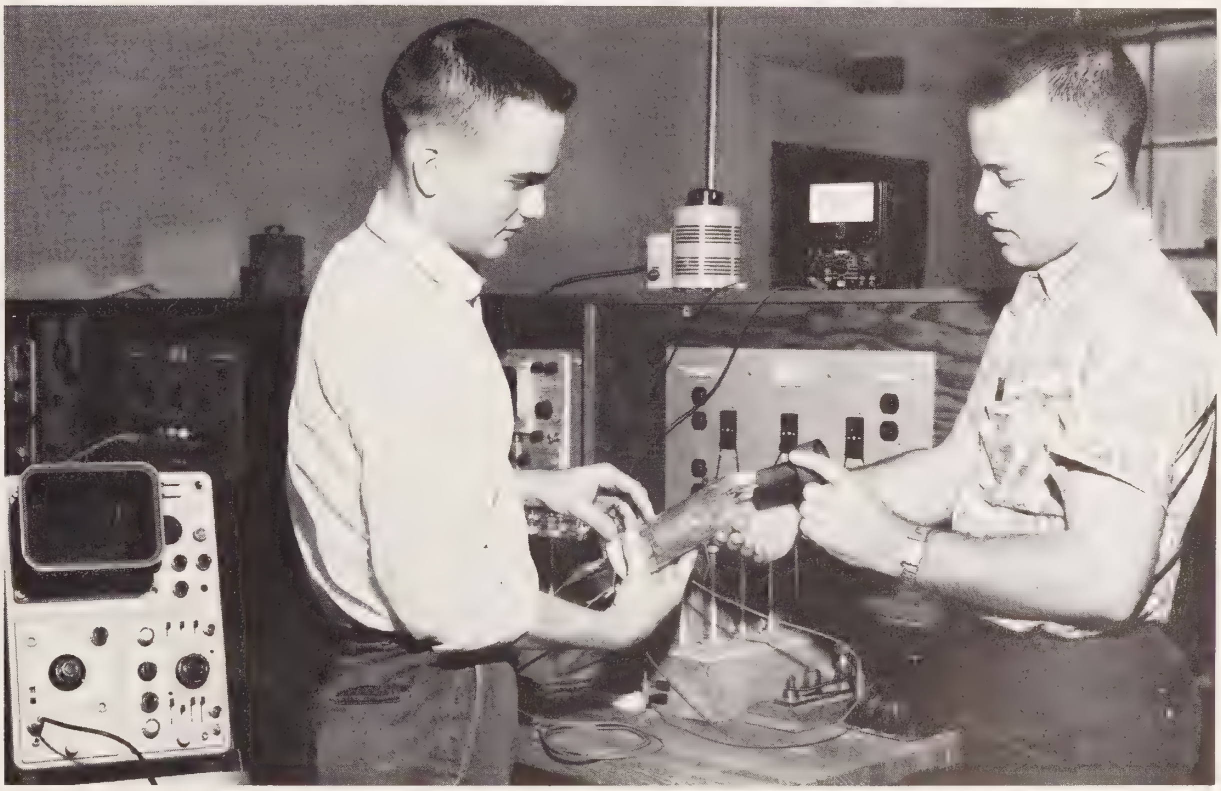


RODNEY K. BOGUE
Graduate Assistant; B.S., Rose Polytechnic Institute; IEEE.

FRED H. TERRY
Graduate Assistant; B.S., Rose Polytechnic Institute; Lambda Chi Alpha; Tau Beta Pi; IEEE.



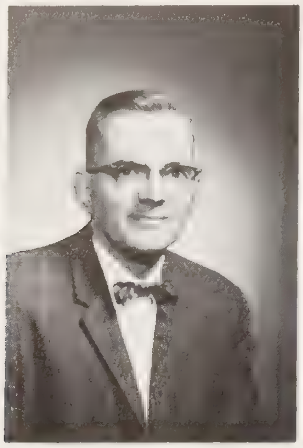
JEROME E. HAHN
Graduate Assistant; B.S., Rose Polytechnic Institute; Lambda Chi Alpha.



Mike Bumgardner and Marv Barkes work on their laser.

Institute of Electronics and Electrical Engineers.

MECHANICAL ENGINEERING

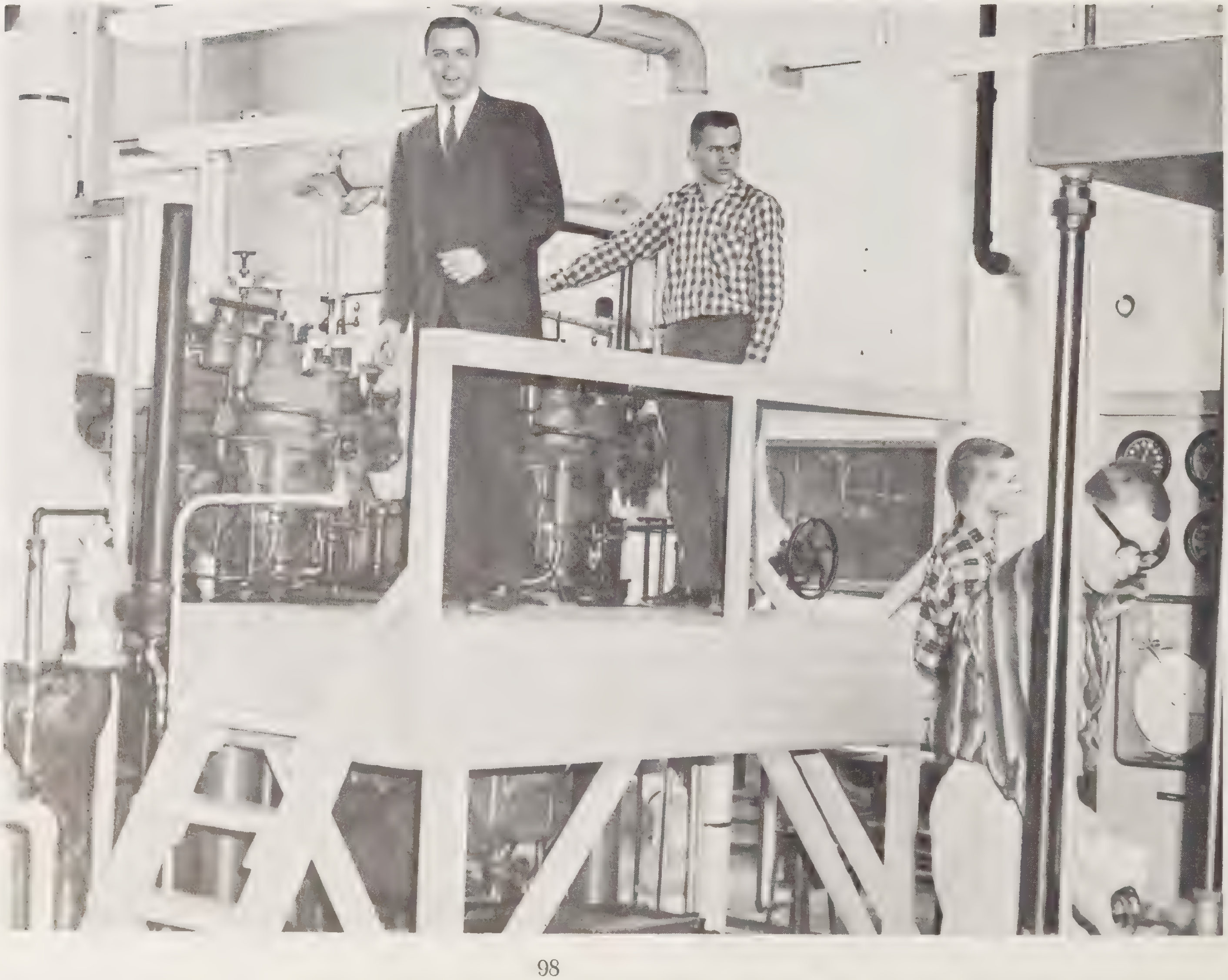


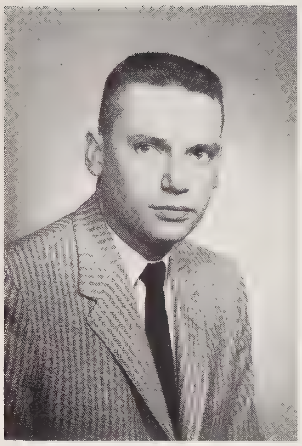
IRVIN P. HOOPER
Professor of Mechanical Engineering and Head of Department; B.S., Tufts University; M.S., University of Vermont; Tau Beta Pi; Alpha Tau Omega; A.S.M.E.; A.S.E.E.; A.A.U.P.; N.S.P.E.

EDWARD H. ECKERMAN
Professor of Mechanical Engineering; B.S., Rose Polytechnic Institute; M.S., Yale University; Alpha Tau Omega; Tau Beta Pi; Sigma Xi; Blue Key; A.S.M.E.; A.S.E.E.; A.A.U.P.

JAMES B. MATTHEWS
Assistant Professor of Mechanical Engineering; B.S., Rose Polytechnic Institute; M.S., M.I.T.; Blue Key; Alpha Tau Omega; A.S.M.E.; A.S.E.E.

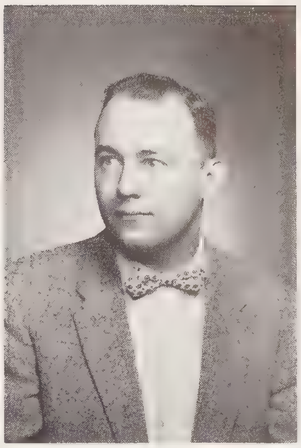
Say, it really does work!





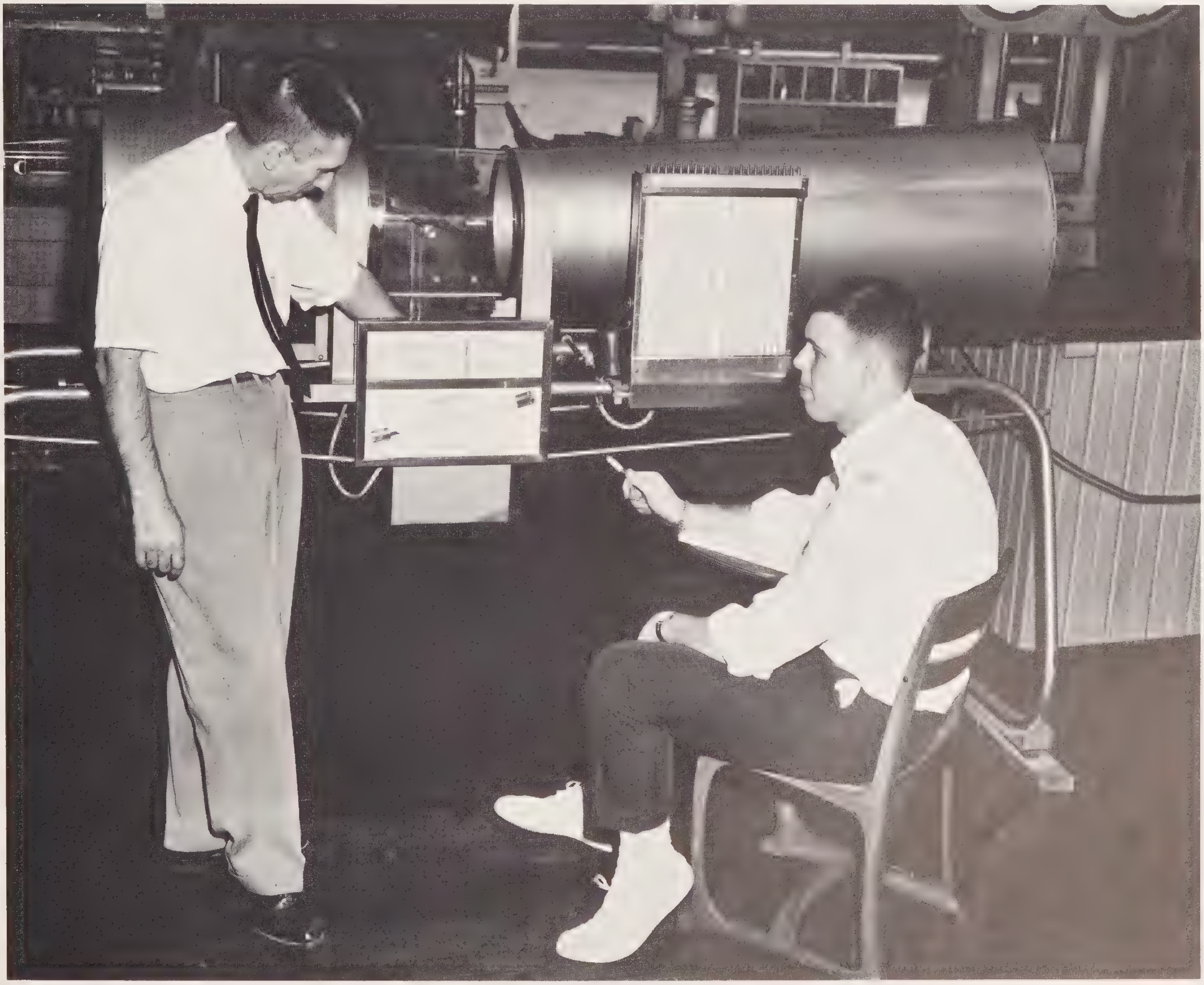
ROBERT STEINHAUSER
Assistant Professor of Mechanical Engineering; B.S., Rose Polytechnic Institute; M.S., Stanford University; Tau Beta Pi; Theta Xi; A.S.M.E.

JOHN F. JEGLIA
Instructor; B.S., Aeronautical University; M.S., St. Louis University; Institute of Aerospace Sciences.



EDWARD V. TRUNK
Teaching Assistant; B.S., City College of New York City; Alpha Mu Epsilon; Pi Tau Sigma; A.S.M.E.

Mr. Jeglia points out some of the fine points of the wind tunnel to John Stineman.



The mechanical engineering department played host to two German students the spring semester: Hans Mauer and Ernst Materna. Both financed their own two year trips to America. After a semester of study, both went to work for the remainder of their visas. Hans went to work for the Stewart-Warner Company in Indianapolis and Ernst obtained a position with Cummins Diesel in Columbus, Indiana.

Of the 21 graduating seniors, most have found comfort in remaining in the mid-west. Only four chose to work in the New England area, one in Florida, one in California, and the rest remained in the Ohio, Indiana, Illinois, Michigan vicinity. Many of those men going to work in June received employment from the aircraft industry.

Mr. Ed Trunk, graduate of City College of New York and former employee of Allis-Chalmer Manufacturing Corporation in Terre Haute, completed work towards his master's degree in engineering. He will join the staff as a full time instructor next year.

Several students carried out directed research projects with the assistance of the mechanical department. Analysis of heat treatment of steel alloys and growth formation of crystals were just two of the experiments conducted.

Professor James Matthews leaves after this year in his quest of a doctorate in Aerospace Engineering. He has been working on his advanced degree through the University of Arizona.

In keeping with ever advancing trends, the ME department is revising its program through provoking subjects. These revisions are taking place mostly in the fields of space technology and metallurgy.

Many systems can be simulated on an analog computer.

The American Society of Mechanical Engineers.

CARSON W. BENNETT
Director of the Library; B.A., Butler University; M.A., Indiana State College; B.S. in L.S., George Peabody College; Alpha Beta Alpha; Sigma Nu; A.L.A.; A.S.E.E.; A.A.U.P.; S.L.A.; I.L.A.

LIBRARY

That one room, at Rose which everyone uses almost daily, starting in the freshman year, is the well equipped library. It serves as a quiet reading and study room for the students nine hours during the day and three hours during the evening. It offers a wide selection of fiction and technical books as well as a vast array of periodicals. Also in its archives are two decades of past issues of technical journals.

This year, two significant benefits were bestowed on the library. Early in the first semester, a local businessman gave a substantial sum of money for the express purpose of purchasing Business Law and Economics texts to further education in this field. This gift helped in boosting the number of volumes on hand to 25.000.

The second change was the purchase of a new Fisher stereo hi-fidelity phonograph with four headsets and two separate speaker cabinets. Over the past few years there has been a large student demand for such a system as well as faculty requests for its potential teaching assistance. Now any student can listen to any one of the records from the collection of 425. Stereo records are also on hand for check-out this year for the first time so that students can gain fully from the fine music which is available.

Mr. Carson Bennett, director of the library, was chosen to head the Convocations Committee when the position was vacated after Prof. Edward MacLean's retirement. Mr. Bennett scheduled many interesting convocations and even managed to have several in the evening which were a pleasant change from the normal routine.

The turning of the wheels.

CHEMISTRY

ORAN M. KNUDSEN
Professor of Chemistry and Head of the Department; B.S., University of Wisconsin; Ph.D., New York University; Sigma Xi; Phi Lambda Upsilon; Alpha Chi Sigma; Lambda Chi Alpha; A.C.S.; A.A.A.S.; A.S.E.E.

FRANK A. GUTHRIE
Associate Professor of Chemistry; A.B., Hanover College; M.S., Purdue University; Ph.D., Indiana University; Sigma Xi; Phi Lambda Upsilon; Phi Gamma Delta; A.C.S.; A.A.A.S.

RICHARD W. NEITHAMER
Assistant Professor of Chemistry; B.S., Allegheny College; Ph.D., Indiana University; Phi Lambda Upsilon; Sigma Xi; Phi Kappa Psi; A.C.S.; A.A.A.S.; A.A.U.P.

The Chemistry Department is located at the rear of the building and is a constant source of various odors, gases, and smoke which pour forth from the lab as students learn more about the elements and compounds.

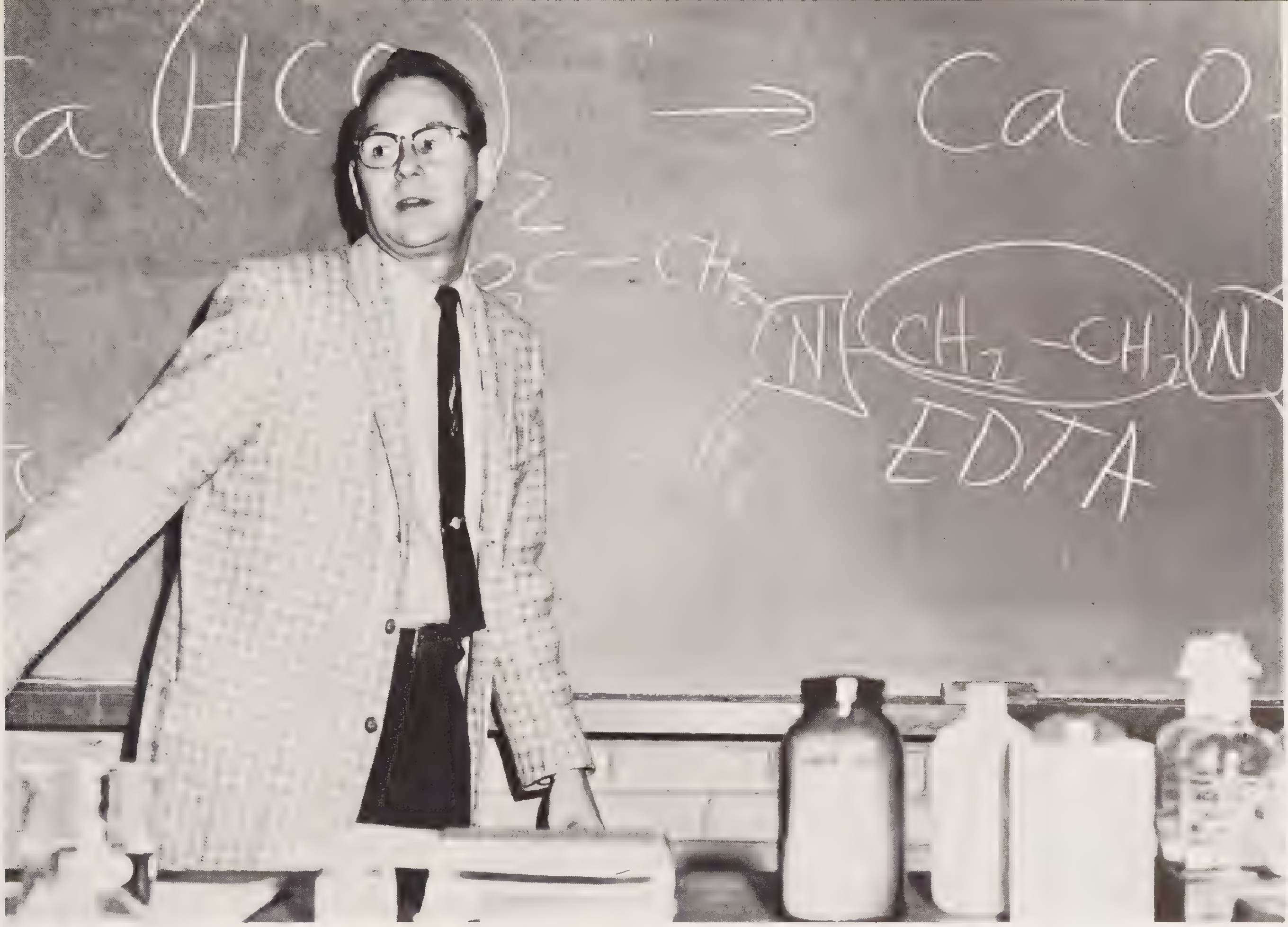
This year, Professor Benjamin Benjaminov is on leave to the Weizman Institute in Rehovoth, Israel. He is doing research leading to a doctorate degree in the preparation of organic compounds for their possible use as an eventual cure for cancer. After his work is completed, Prof. Benjaminov will return to Rose to continue his teaching career.

A tangible improvement to the Chemistry Department was the purchase of a Sargent Automatic Recorder. This device is used with such instruments as a spectrophotometer in order to provide a continuous function graph for a unique physical phenomenon.

The Department offers a Bachelor of Science degree in chemistry which allows the student to pursue his own particular interests in analytical, physical, organic, and inorganic chemistry. In the junior and senior years this course offers freedom for specialization in these selected fields and allows the student to prepare for graduate school. Rose is presently offering an M.S. degree in chemistry. Thus, further selectivity in a course of study is encouraged by the Chemistry Department.

JULIAN DALE
Research Professor of Chemistry; B.A., M.A., Ph.D., Princeton University.

Doc checks for a gas leak.



Who's asleep in the front row!!!

FRONT ROW: Norm Should, Larry Morgan, Bob Coltharp, Greg Mitton, Neil Matsumoto; SECOND ROW: Dick Foltz, John Sauser, George Holland, Ed Erker, Ron Turaski; THIRD ROW: Jack Hobbs, Jim Webber, Jerry Bower, Jim Francis, Dr. Neithamer, Adviser.

MATHEMATICS

THEODORE P. PALMER
Professor of Mathematics, Head of the Department and Director of Waters Computing Center; B.A., Amherst College; A.M., Harvard University; Theta Delta Chi; A.S.E.E.; M.A.A.; A.M.A.; A.S.I.; I.C.M.

ALFRED R. SCHMIDT
Professor of Mathematics; B.S., Rose Polytechnic Institute; M.S., Purdue University; Tau Beta Pi; Blue Key; Sigma Xi; Lambda Chi Alpha.

SALIMON S. CACS
Assistant Professor of Mathematics; B.S., University of Latvia; M.S., University of Latvia.

The Math Department teaches basic calculus and differential equations to all students of science and engineering.

Originally a complementary department to the pursuit of engineering degrees, it now offers a full curriculum leading to a degree in mathematics, as well as offering numerous electives to all students.

The advanced courses offer a rich mathematical background to those interested in making good use of mathematics in engineering analysis, design and digital computers; as well as developing the mind in mathematical thinking.

The department's staff is composed of professors versed in varied fields; each competent and proficient in his area. Such factors as these lead to one of the best applied mathematics degrees offered anywhere in the country.

JOSEPH G. MOSER
Instructor in Mathematics; B.S., Rose Polytechnic Institute; M.S., Purdue University; Tau Beta Pi; Sigma Xi; A.M.S.; M.A.A.

The MODULUS camera catches Prof Schmidt, Prof. Palmer, and Mr. Moser discussing new thoughts in mathematics.

WILSON L. MISER
Professor of Mathematics; B.A., University of Arkansas; M.A., Yale University; Ph.D., University of Chicago; Sigma Xi; A.M.S.; M.A.A.; A.A.A.S.; A.S.E.E.; A.A.U.P.

WARREN J. WAYNE
Instructor of Mathematics; B.A., Butler University; M.S., Purdue University; Kappa Mu Epsilon; M.A.A.A.; A.C.M.; N.C.T.M.

ZAFARULLAH
Graduate Teaching Assistant; B.S., M.S., University of Punjab.

Preparing for the future

"Teacher of the Year," Prof. Al Schmidt.

PHYSICS

WILKISON MEEKS
Professor of Physics and Head of Department; B.A., Maryville College; M.S., Northwestern University; Ph.D., Northwestern University; Sigma Xi; A.P.S.; A.S.A.

RALPH A. LLEWELLYN
Assistant Professor of Physics; B.S., Rose Polytechnic Institute; Ph.D., Purdue University; Tau Beta Pi; Blue Key; Sigma Pi Sigma; Sigma Xi; Alpha Tau Omega; A.P.S.; O.S.A.; A.A.P.T.; A.A.A.S.

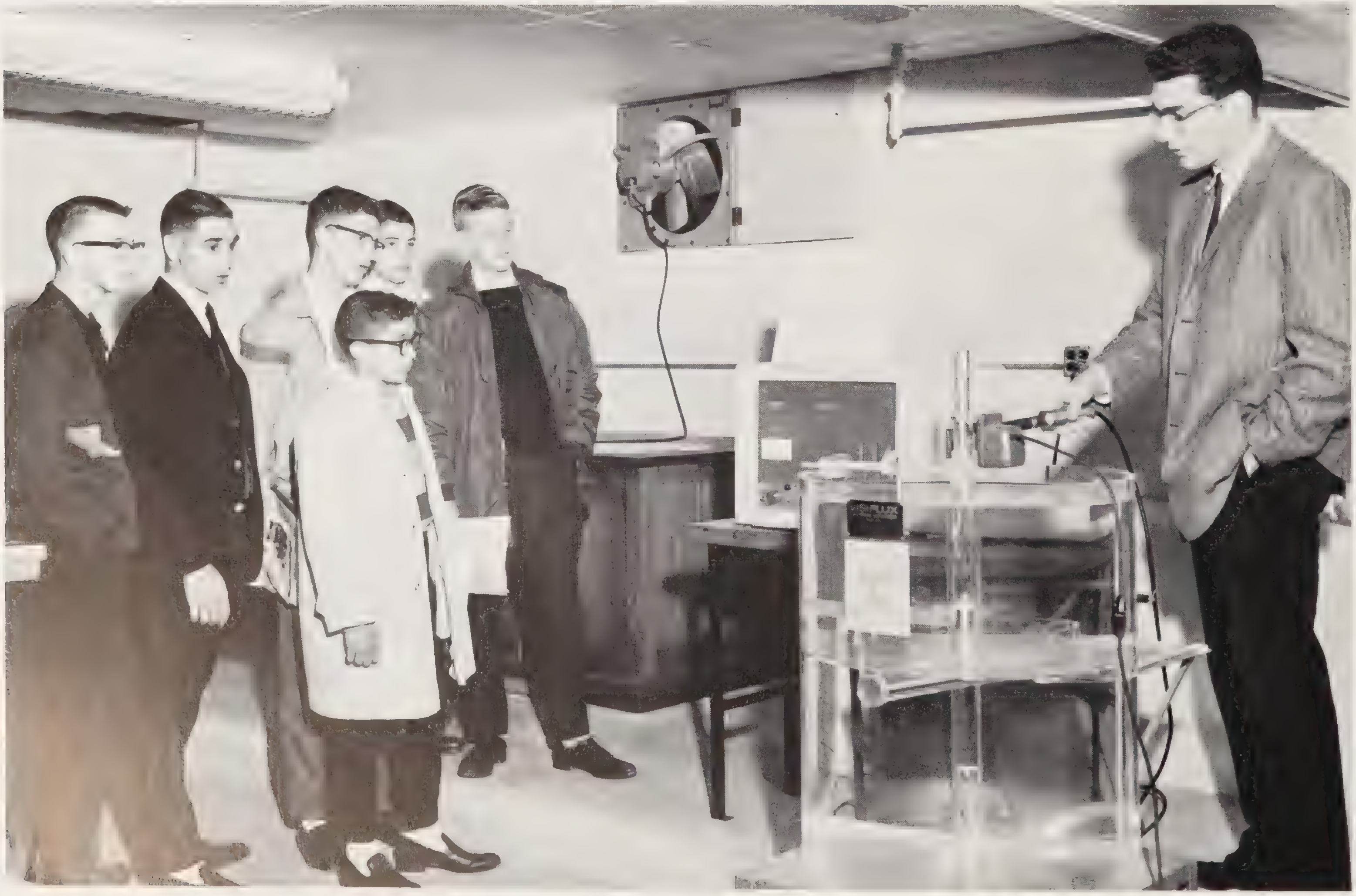
C. LEROY MASON
Associate Professor of Physics; B.S., University of Wisconsin; M.S., University of Wisconsin; Phi Beta Kappa; A.P.S.; A.A.P.T.

Since physics is a science of physical relationships, theory without experimental verification leaves much to be desired. The Physics Department utilizes its laboratory facilities to the utmost. Just this year, the department was awarded an isotope license by the Atomic Energy Commission. This license permits them to store all elements of atomic number 3 to 83 on the premises.

Professor John Hegarty came back this year after a one year academic study leave. Also, Mr. Larry Logue, a 1960 graduate, returned to instruct. These additions brought the department's strength to six men.

This large number of instructors and the flexibility of the curriculum permits each physics major to choose a substantial number of electives in humanities, engineering, and mathematics, thus assuring a well rounded education.

Phil Chute shows off the neutron source.



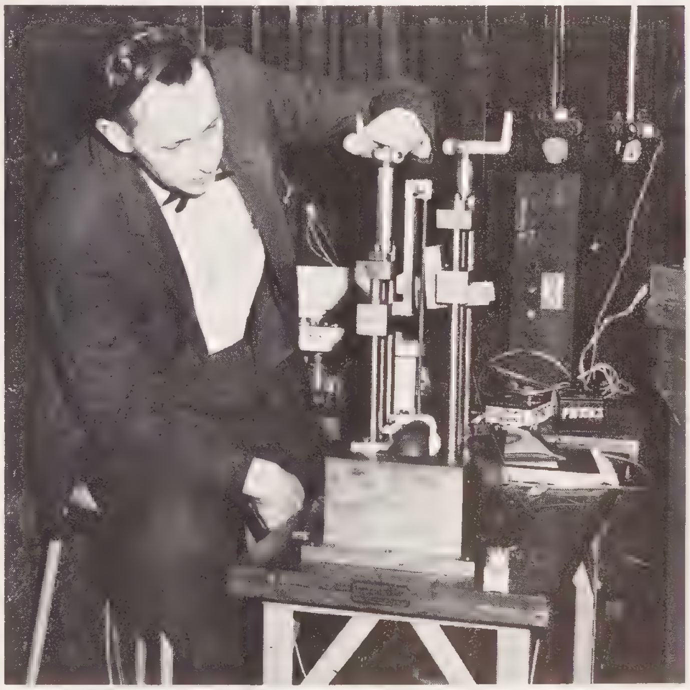
JOHN C. HEGARTY
Assistant Professor of Physics; A.B., Boston College; M.S., University of Maryland; A.A.P.T.

PAUL R. MASON
Instructor; B.S., Rose Polytechnic Institute; M.S., Indiana University; Tau Beta Pi; A.P.S.

LAURENCE L. LOGUE
Instructor, B.S., Rose Polytechnic Institute; M.S., Purdue University; Blue Key; Tau Beta Pi; Lambda Chi Alpha.

YES, E really does equal mc^2.

Dr. Meeks in "that little room."



Rose's American Institute of Physics Chapter had many interesting discussions on Wednesday afternoons.

MILITARY

JOHN H. DOUGHERTY
Professor of Military Science and Head of the Department; B.S., The Citidel; Lieutenant Colonel, U.S. Army.

KENT C. KELLEY
Assistant Professor of Military Science; B.S., University of Nebraska; M.S., Missouri School of Mines; Delta Sigma Phi; Captain, U.S. Army.

DALE K. RANDELS
Assistant Professor of Military Science; B.S., Missouri School of Mines; Chi Epsilon; Phi Kappa Phi; Tau Beta Pi; A.S.C.E.; S.A.M.E.; Captain, U.S. Army.

This year was an eventful and big year for the ROTC Department. The first major change took place in the personnel. Captain Dale Randels joined the staff from Fort Belvoir, Virginia where he was a member of the Engineer School. He replaced Captain Homer Ambrose who went to Bangkok, Thailand as a member of the US Military Assistance Group. Lieutenant Colonel John Dougherty came home from Tokyo, Japan to take over the position of Head of the Department. He replaced Lt. Col. Fred Walker who went to Italy to assume a military engineering position.

More diversified and colorful ranks were arranged by the ROTC Department. Freshmen: "yo-yo's" who are just plain privates or White Cord Program members who are PFC's. Sophomores: also "yo-yo's" who are still privates or Red Cord Program members who are either corporals or sergeants. Juniors have the permanent rank of NCO within a rotating officer system. Their rank runs from staff sergeant to captain. Seniors are permanent officers carrying a rank between second lieutenant and lieutenant colonel.

From 4:00 PM Friday, April 26th, until 24 hours later, all advanced students were required to take an active part in bivouac training. The practice was conducted on "the other side of the tracks" behind the fieldhouse. The men packed their sleeping bags, got out their fatigues and cleaned their rifles in anticipation of almost anything. All 44 Juniors were supposedly being supervised by the 26 Seniors and by the Military Department. During this period, the men had practical work in tactical marches, night patrolling and offensive and defensive tactics. After the formal session was over, the members of the Military Department were treated to a slightly less formal show of appreciation . . . they were all laked.

Society of American Military Engineers.

Col. Dougherty checks over the drill schedule with Company Commanders Joe Grumme, Greg Bolt, and Battalion Commander Andy Spangler.

The Rose Battalion's Color Guard.

Everyone was ready on the "ready line," for the review.

ADMINISTRATION

HERMAN MOENCH
Vice President and Dean of the Faculty; B.S., Rose Polytechnic Institute; M.S.E., University of Michigan; Tau Beta Pi; Sigma Xi; Blue Key; Fellow, American Association for the Advancement of Science; I.E.E.E.; A.S.E.E.; N.S.P.E.; Engineers Registration Board.

JOHN L. BLOXSOME
Vice President for Planning and Development; A.B., DePauw University; A.M., University of Chicago; Delta Upsilon; A.S.E.E.; A.A.C.; A.C.P.R.A.

REVEREND LeROY BROWN
Institute Chaplain; B.A., M.A., Williams; A.M., Harvard; B.D., Union Theological Seminary; Phi Beta Kappa; Phi Gamma Delta.

Coordinating the curriculum, the finances and the future plans of the Institute is a tremendous undertaking. It is through efficient and thorough administering that the services for over 500 students and 50 faculty members are adequately handled.

Most new students quickly become well acquainted with Mr. Paul Headdy, Director of Admissions and Placement. On their first visit, Prof. Headdy makes it a point to put the prospective freshmen at ease.

Professor John Bloxsome, Assistant to the President for Planning and Development, had an assistant himself this year. Mr. Bill Brown, 1962, returned to help the school adequately prepare for the future.

Although Rose is a non-sectarian school, it realizes the need for some type of religion in the life of the students. Reverend Leroy Brown, the college chaplain, is always ready to discuss problems and to assist in coordinating studies and religious beliefs.

RALPH M. ROSS
Dean of Students; A.B., DePauw University; M.A., Indiana University; Phi Delta Kappa; A.A.U.P.; A.S.E.E.; M.A.A.

Miss Koenig and Mrs. Dunlap sort out welcome love letters and money from home for on-campus students.

PAUL B. HEADY
Director of Admissions and Placement; A.B., Ball State Teachers College; Phi Delta Kappa.

J. G. LEE
Registrar; B.S.; Rose Polytechnic Institute; Tau Beta Pi.

GEORGE MOENCH
Bursar.

Reverend Brown gives some helpful advice.

Mrs. Smith and her boys on a Saturday night.

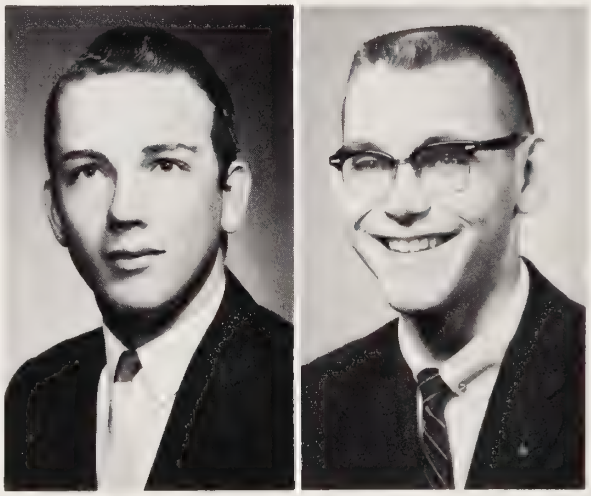
CLASSES

SENIORS

Philip A. Chute, *President*
Robert N. Irwin, *Vice-President*
Edward J. Blahut, *Secretary-Treasurer*

LARRY A. ANDERSON, Ch.E.
Paris, Illinois
American Institute of Chemical Engineers; Society of American Military; EXPLORER, Sports Staff; Campus Club; R-Man; Rifle Club, Secretary; Tennis Team.

ARNOLD J. ANDIS, Ch.E.
Sanborn, Indiana
Theta Xi; American Institute of Chemical Engineers.



DON AUGENSTEIN, Ch.E.
Chatham, New Jersey
Theta Xi; American Institute of Chemical Engineers; Class Honors, Fr.

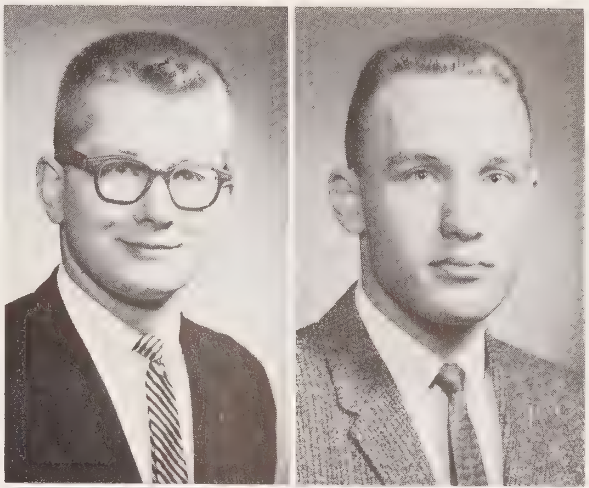
E. BRUCE BAKER, MATH
Charleston, Illinois
Theta Xi; Class Honors, Fr., Soph., Jr.

MARVIN E. BARKES, E.E.
Columbus, Indiana
EXPLORER, Feature Editor; Institute of Electrical and Electronics Engineers; Rifle Club; Rifle Team.

WILLIAM W. BARONE, M.E.
Cincinnati, Ohio
Lambda Chi Alpha; American Society of Mechanical Engineers; Society of American Military Engineers.

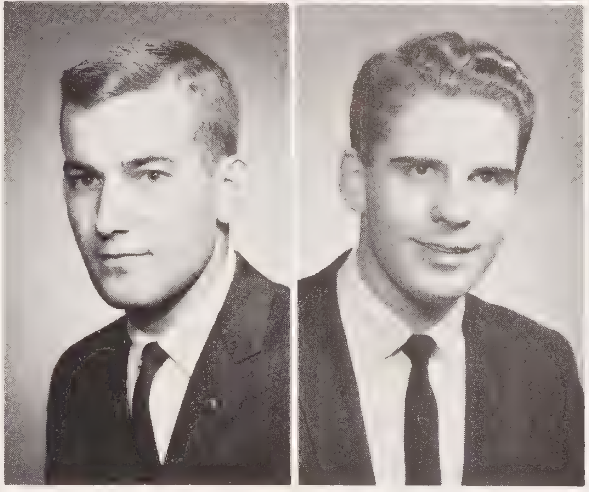
EDWARD J. BLAHUT, II, M.E.
Riverside, Illinois
Lambda Chi Alpha; American Society of Mechanical Engineers, Secretary-Treasurer; R-Man; Senior Class Secretary-Treasurer.

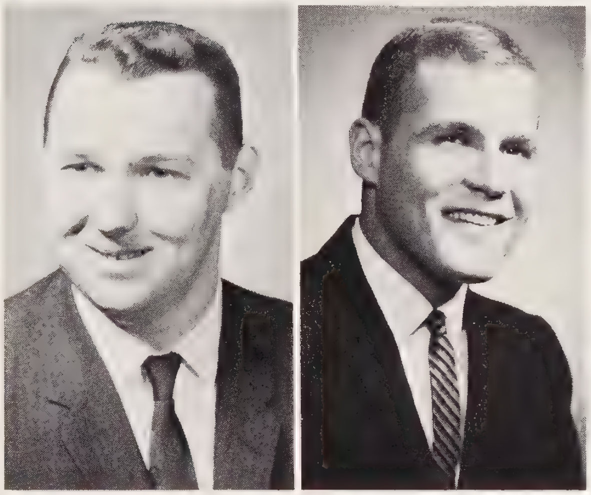
GREG BOLT, Ch.E.
Bremen, Indiana
Blue Key; Tau Beta Pi, Corresponding Secretary; Lambda Chi Alpha; American Institute of Chemical Engineers; Society of American Military Engineers; Honor Man; Campus Club, Secretary-Treasurer; R-Man; Rifle Club; Class Honors, Fr., Soph., Jr.; Freshman Class Vice President; Distinguished Military Student; Baseball; Rifleteam.



THOMAS WAYNE BOSWORTH, C.E.
Terre Haute, Indiana
Alpha Tau Omega, President, Vice-President; American Society of Civil Engineers, Vice-President; Society of American Military Engineers, Vice-President; TECHNIC, Art Editor; Interfraternity Council; Rose Rifles, Secretary-Treasurer.

ANDY O. BREECE, E.E.
Olivette, Missouri
Alpha Tau Omega, Secretary; Institute of Radio Engineers; American Institute of Electrical Engineers, Secretary; Society of American Military Engineers, President, Secretary; MODULUS, Photo Staff, Photo Editor; TECHNIC, Photo Editor; Student Council; Honor Man; Glee Club; Rifle Club; Camera Club, President, Secretary.





ROBERT G. BROWN, E.E.
Olney, Illinois
Theta Xi.

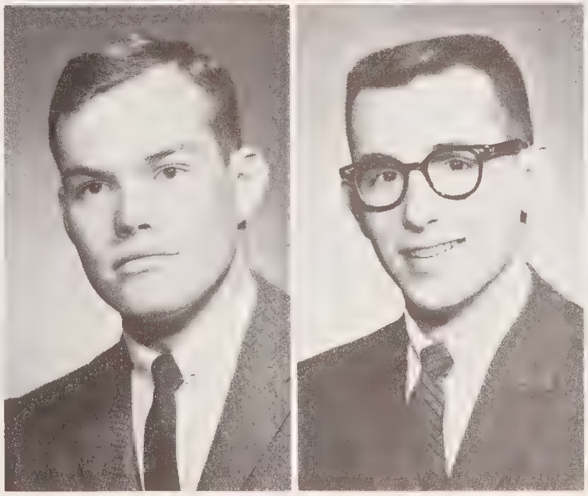
THOMAS B. BROWN, M.E.
Terre Haute, Indiana
Sigma Nu; American Society of Mechanical Engineers, President; Rose Rifles, Commander, President.

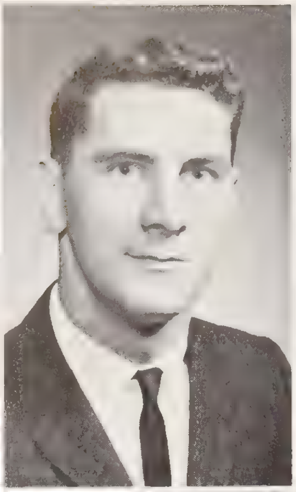
MICHAEL BUMGARDNER, E.E.
Clinton, Indiana
Tau Beta Pi, Treasurer; Institute of Radio Engineers; Class Honors, Fr., Soph., Jr.

PHILIP A. CHUTE, PHYSICS
Arlington, Virginia
Blue Key; Tau Beta Pi, Recording Secretary; American Institute of Physics, President; MODULUS, Copy Staff; Student Council, Financial Secretary; Honor Man; Campus Club, Treasurer; R-Man; Class Honors, Fr., Soph., Jr.; Senior Class President; Sophomore Class Treasurer; Basketball, Captain.

JAY CONNIFF, M.E.
Richmond, Indiana
American Society of Mechanical Engineers; EXPLORER, Sports Staff; R-Man; Class Honors, Jr.

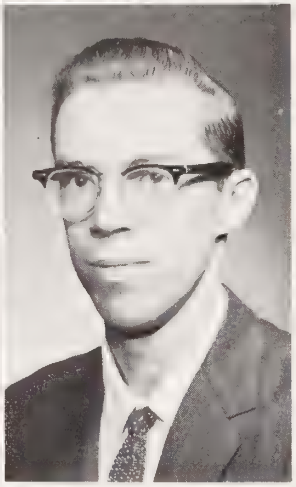
RICHARD ALLEN CORDILL, M.E.
Indianapolis, Indiana
Alpha Tau Omega; American Society of Mechanical Engineers; Society of American Military Engineers; MODULUS, Sales Editor, Sales Staff, Sports Editor; Campus Club.





DAVID G. CRIPE, M.E.
Leiters Ford, Indiana
Alpha Tau Omega; American Society of Mechanical Engineers; TECHNIC, Advertising Staff, Photography Staff; Campus Club; Glee Club; Honor Man.

BILLY L. CRYNES, Ch.E.
Terre Haute, Indiana
Blue Key, Alumni Secretary; Tau Beta Pi, President; American Chemical Society, Treasurer; American Institute of Chemical Engineers, Secretary; Student Council; Honor Man; Class Honors, Fr., Soph., Jr.; Junior Class President; Bronze Hemingway Medal.

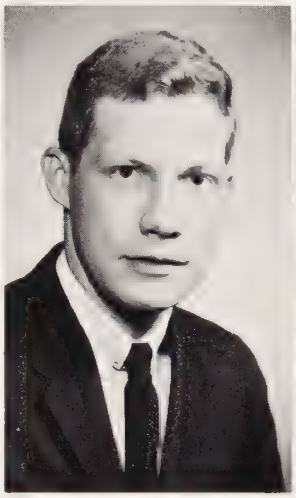


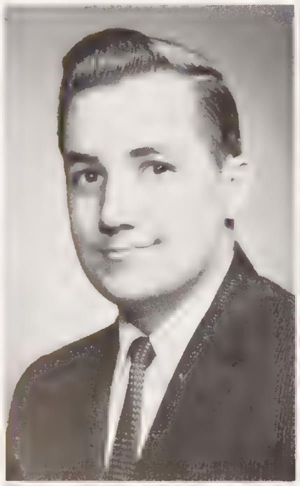
RICHARD J. DANIELS, PHYSICS
Shaker Heights, Ohio
Lambda Chi Alpha.

RONALD L. DANILOWICZ, PHYSICS
Cleveland, Ohio
American Institute of Physics; R-Man; Class Honors, Fr., Soph.; Basketball; Bridge Team.

RICHARD DAUGHERTY, MATH
Merom, Indiana
Blue Key, Corresponding Secretary; Sigma Nu, Treasurer; TECHNIC, Layout Editor; Honor Man; Campus Club; Glee Club; Class Honors, Fr.

TOM DAVIDSON, C.E.
Orland Park, Illinois
Sigma Nu; American Society of Civil Engineers, Vice-President; TECHNIC, Circulation; Campus Club.





MELVIN C. DAWSON, E.E.
Indianapolis, Indiana
Institute of Radio Engineers.

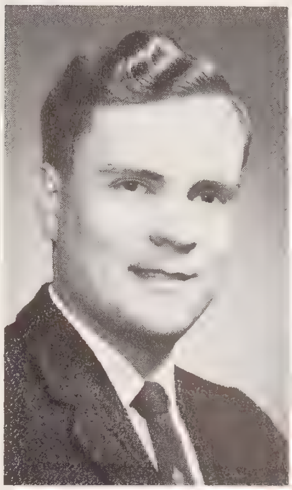
CHARLES C. DEWEESE, MATH
Robinson, Illinois
Theta Xi, Treasurer, Corresponding Secretary; Math Club, Vice-President; EXPLORER, Reporter; Rose Rifles.

DAVID A. DUMFORD, E.E.
Fort Wayne, Indiana
Lambda Chi Alpha; American Institute of Electrical Engineers; Honor Man; R-Man; Basketball, Captain.

WILLIAM J. EDMONS, E.E.
Terre Haute, Indiana
Theta Xi; Institute of Electrical and Electronics Engineers; Rose Rifles.

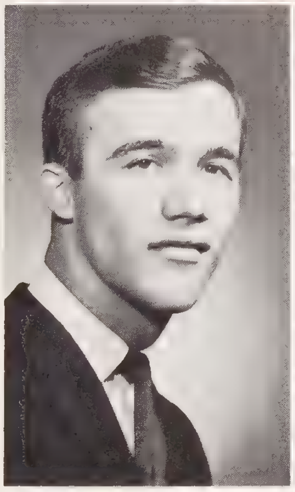
DELMAR H. ELLIS, M.E.
Vincennes, Indiana
Alpha Tau Omega; Tau Beta Pi; American Society of Mechanical Engineers; Class Honors, Soph., Jr.; Flying Club, President.

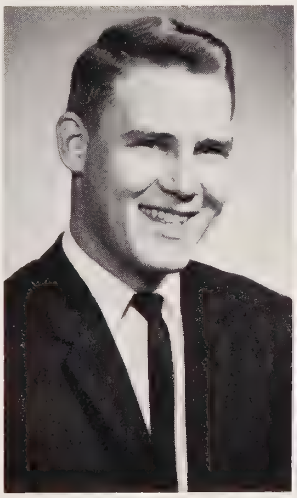
RICHARD B. ESKER, Ch.E.
Teutopolis, Illinois
Tau Beta Pi; American Institute of Chemical Engineers; MODULUS, Copy Staff; EXPLORER, Sports Staff; Honor Man; Campus Club; Class Honors, Fr., Soph., Jr.; Junior Class Secretary-Treasurer; Bogart Memorial Award.

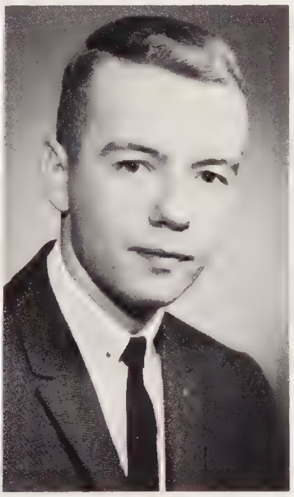


TOM F. FITE, Ch.E.
Olney, Illinois
Sigma Nu, American Institute of Chemical Engineers.

MANFRED R. FRANKE, E.E.
Greenfield, Indiana
Institute of Radio Engineers; Campus Club; Radio Club.





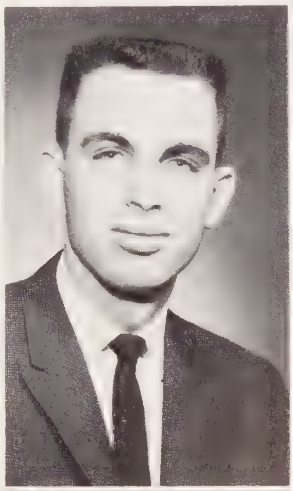


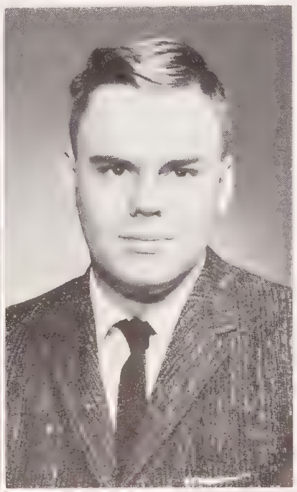
DALE ALAN FRENCH, Ch.E.
Terre Haute, Indiana
American Institute of Chemical Engineers; Society of American Military Engineers; Rose Rifles, Secretary-Treasurer.

MAX E. GOODWIN, PHYSICS
Paris, Illinois
Blue Key, Tau Beta Pi; Lambda Chi Alpha, President, Vice-President; American Institute of Physics; TECHNIC, Editor, Associate Editor, Editorial Staff; Student Council; Campus Club; Interfraternity Council, Secretary-Treasurer; Class Honors, Fr., Jr.; Freshman Class Secretary-Treasurer.

JOSEPH GORDON GRUMME, PHYSICS
Terre Haute, Indiana
Blue Key, President; Sigma Nu; Society of American Military Engineers, Treasurer; American Institute of Physics; MODULUS, Layout Staff, Advertising Staff; TECHNIC, Editor, Associate Editor, Editorial Staff; EXPLORER, Advertising Manager; Student Council; Honor Man; Class Honors, Fr.; Handbook, Associate Editor; Distinguished Military Student.

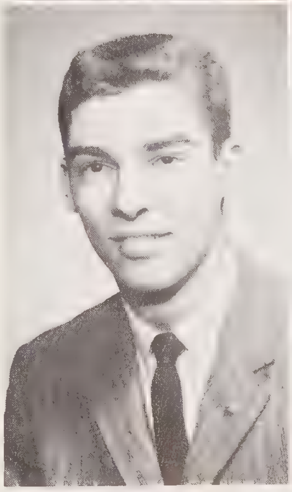
R. PAUL GUMMERE, Ch.E.
Terre Haute, Indiana
American Institute of Chemical Engineers; Society of American Military Engineers.

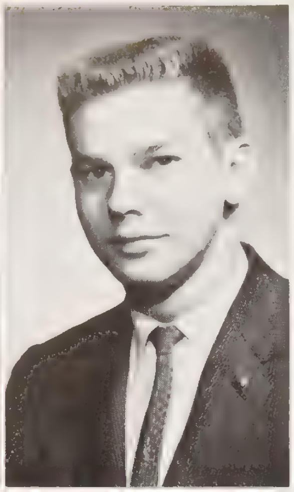




MICHAEL H. HAYES, E.E.
Brazil, Indiana
Lambda Chi Alpha; Institute of Radio Engineers; Glee Club.

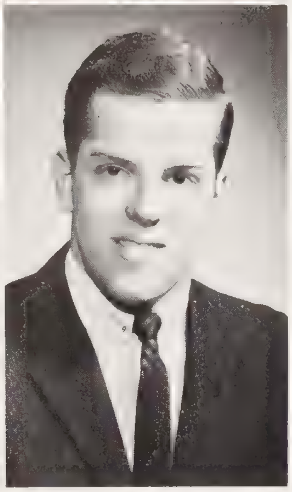
TERRY M. HINSHAW, C.E.
Lynn, Indiana
Sigma Nu, Historian; American Society of Civil Engineers; Society of American Military Engineers; R-Man; Baseball.





MICHAEL JON HMUROVICH, Ch.E.
Whiting, Indiana
American Chemical Society; American Institute of Chemical Engineers; Campus Club; Glee Club; Student Court.

FOHN ROBERT HOBBS, CHEMISTRY
Plainfield, Indiana
Blue Key, Vice-President; Lambda Chi Alpha; American Chemical Society, President, Secretary; TECHNIC, Contributing Staff; EXPLORER, News Staff Editor, Sports Staff; Honor Man; Campus Club.

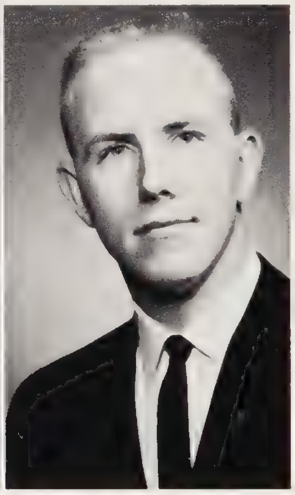


JAKE HOFFMAN, Ch.E.
Williamsport, Pennsylvania
Tau Beta Pi; Theta Xi; MODULUS, Copy Staff, Sports Staff; EXPLORER, Sports Staff Editor, Sports Staff; Honor Man; Campus Club; Class Honors, Fr., Soph.

R. NEIL IRWIN, C.E.
Greencastle, Indiana
Sigma Nu; Vice-President; American Society of Civil Engineers; Society of American Military Engineers; TECHNIC, Advertising Manager; EXPLORER, Sports Staff; Interfraternity Council; Honor Man; R-Man, President, Secretary-Treasurer; Senior Class Vice-President; Basketball.

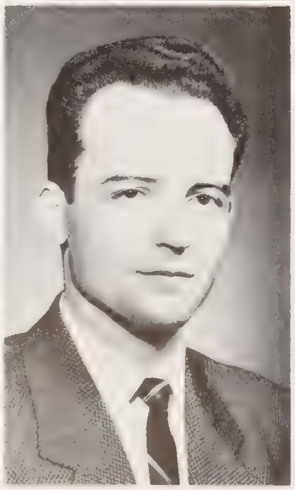
ALLEN JANNASCH, E.E.
Ogden Dunes, Indiana
Blue Key, Corresponding Secretary; Alpha Tau Omega, Vice-President, Secretary; Institute of Radio Engineers; Society of American Military Engineers, Treasurer; MODULUS, Layout Staff; TECHNIC, Advertising Staff; Interfraternity council; Honor Man; Campus Club; Sophomore Class Secretary-Treasurer; Rose Rifles.

MIKE E. JOHNSON, C.E.
McLeansboro, Illinois
Sigma Nu; American Society of Civil Engineers; R-Man; Campus Club; Basketball.



DENNIS KARWATKA, M.E.
Lansing, Illinois
Lambda Chi Alpha; American Society of Mechanical Engineers; MODULUS, Copy Editor; EXPLORER, Co-Editor, Assistant Editor, Layout Staff; Cheerleader.

STEPHEN KERN, C.E.
Kansas, Illinois
Theta Xi, Treasurer; American Society of Civil Engineers, Reporter; MODULUS, Copy Staff, Copy Editor; Campus Club.

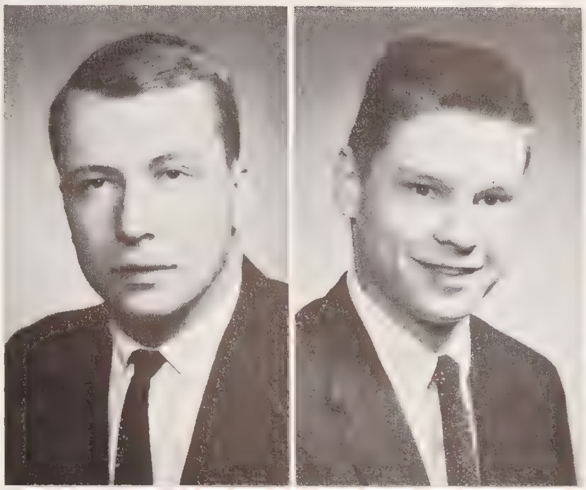


NICHOLAS J. KIRA III, E.E.
Indianapolis, Indiana
Alpha Tau Omega, President; Institute of Radio Engineers; MODULUS, Photographer; Interfraternity Council; Campus Club; Glee Club; Camera Club, Secretary-Treasurer.

LOUIS L. LAFLAMME, M.E.
Auburn, Maine
American Society of Mechanical Engineers; Flying Club.

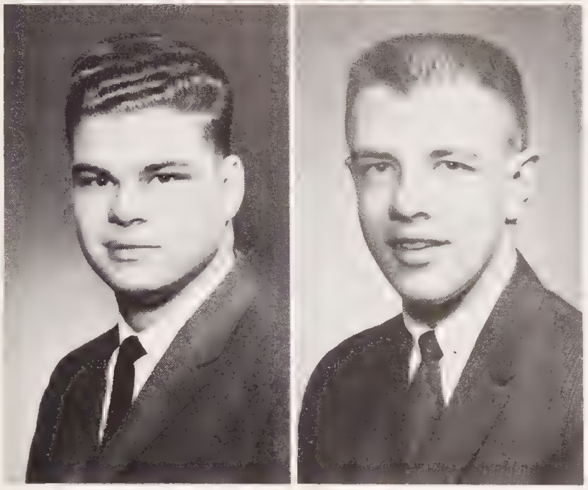
RAYMOND J. LEPP, M.E.
Gary, Indiana
Sigma Nu; American Society of Mechanical Engineers; EXPLORER, Business Staff; Campus Club; R-Man.

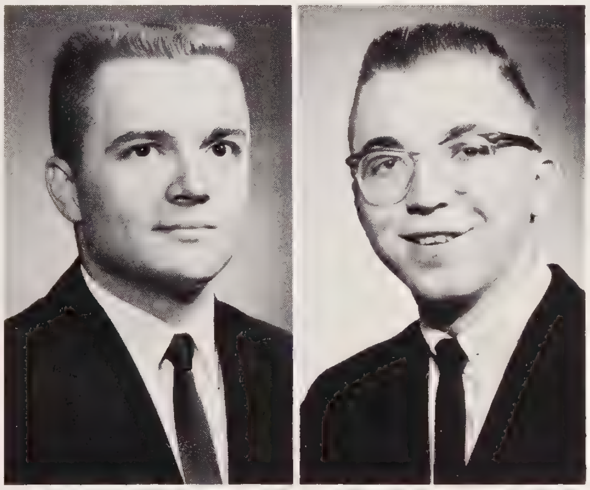
JEFFERY LAW, C.E.
Terre Haute, Indiana
Lambda Chi Alpha; American Society of Civil Engineers; Society of American Military Engineers; R-Man.



ROBERT L. LIGHT JR.
Lapel, Indiana
Lambda Chi Alpha; American Institute of Physics, Vice President, Secretary; TECHNIC, Contributing Staff.

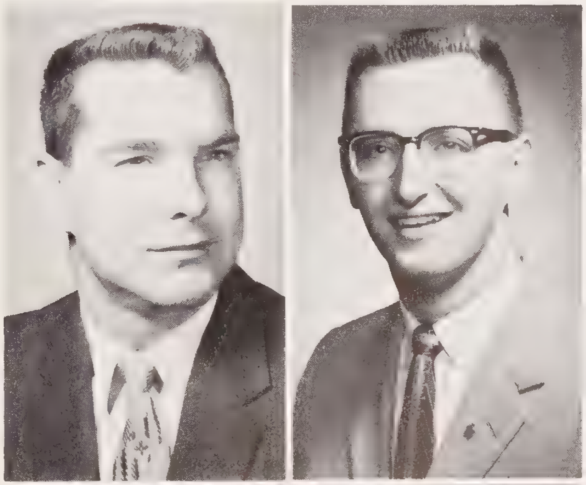
ROBERT D. LOVELL, MATH
Mishawaka, Indiana
Blue Key; Sigma Nu, President; TECHNIC, Editorial Staff; EXPLORER, Feature Staff; Interfraternity Council, President; Campus Club; Class Honors, Fr.; Soph. Class Vice President.





MAX W. LUNSFORD, M.E.
Cayuga, Indiana
American Society of Mechanical Engineers; Jr. Class Honors.

DONALD E. MARIETTA, M.E.
Blanford, Indiana
Sigma Nu; American Society of Mechanical Engineers.

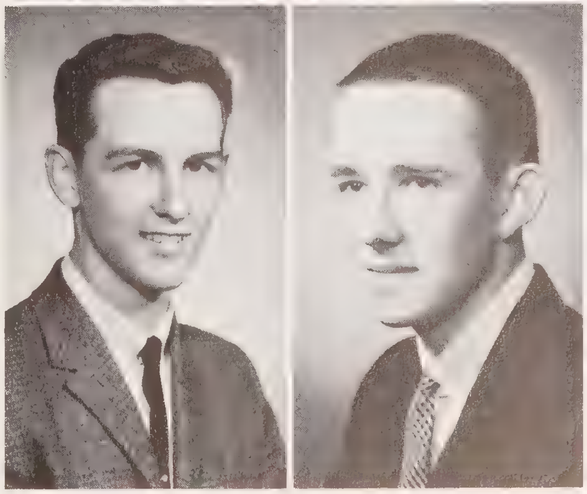


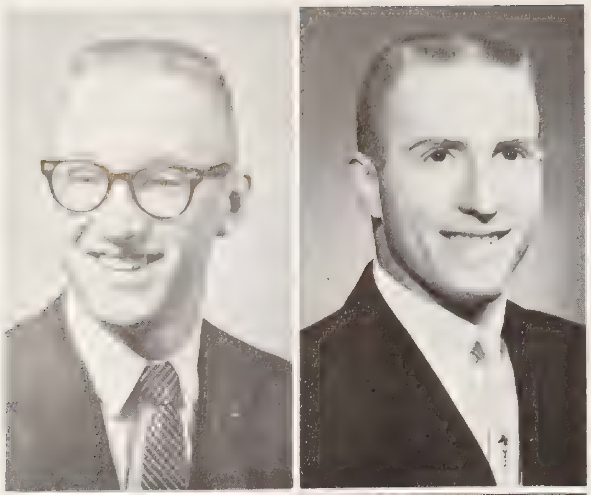
LARRY JAMES MARSHALL, MATH
West Terre Haute, Indiana
Theta Xi; Math Club.

KENNETH H. MILLER, MATH
Orland Park, Illinois
Blue Key, Publicity Director; Tau Beta Pi, Vice President; Lambda Chi Alpha; TECHNIC, Business Manager, Contributing Editor; Honor Man; Campus Club, Student Representative; Glee Club.

CARL GREGER MITTON, CHEMISTRY
Oaktown, Indiana
Alpha Tau Omega; American Chemical Society; American Institute of Chemical Engineers, Treasurer; Society of American Military Engineers; MODULUS, Photography; Glee Club.

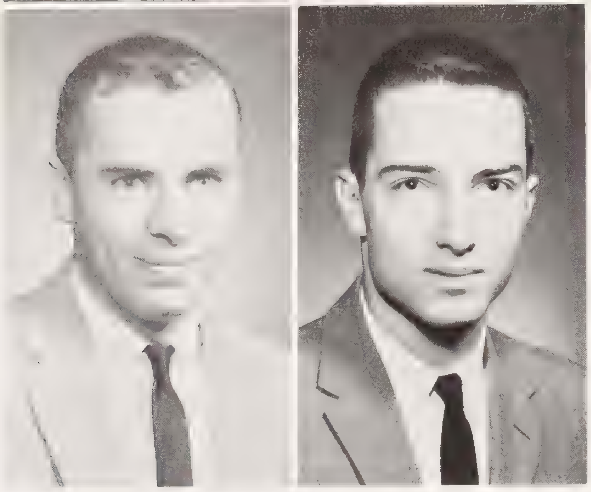
RICHARD G. MOENCH, Ch.E.
Terre Haute, Indiana
American Institute of Chemical Engineers; Society of Military Engineers.





ROBERT L. MURRAY, C.E.
Crown Point, Indiana
Theta Xi, Treasurer; American Society of Civil Engineers; MODULUS, Layout Staff Editor; Campus Club.

WILLIAM B. NICEWANGER, E.E.
Indianapolis, Indiana
Blue Key; Lambda Chi Alpha, Secretary; Institute of Electrical and Electronics Engineers; Student Council, President, Vice-President; Honor Man; R-Man; Glee Club; Class Honors, Fr.; Sophomore Class President.

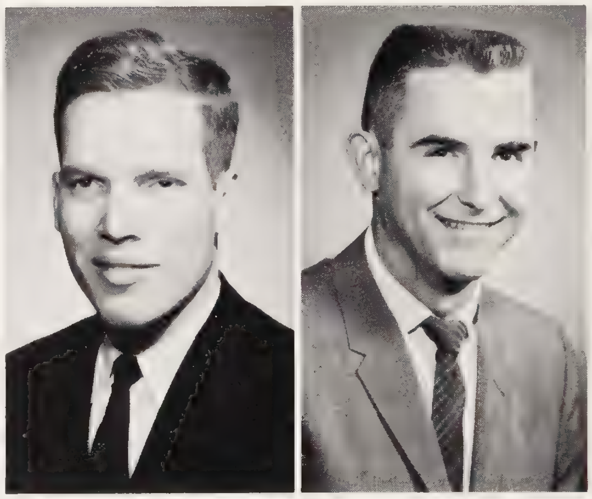


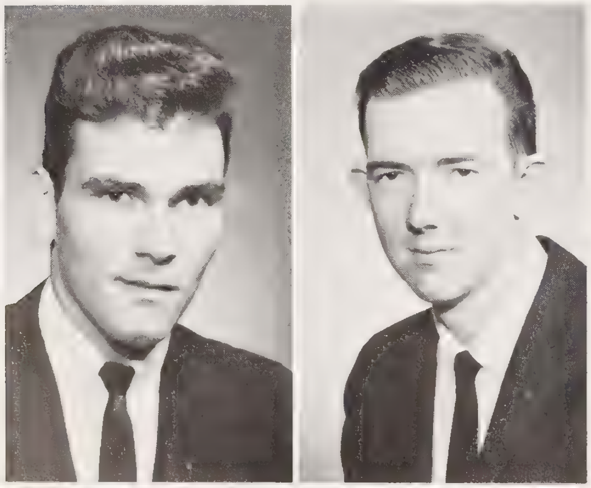
JERRY THOMAS NICKERSON, C.E.
Cincinnati, Ohio
American Society of Civil Engineers, Recorder; Class Honors, Jr.

JOSEPH P. ODENWALDER, E.E.
Indianapolis, Indiana
Institute of Radio Engineers, Secretary; Campus Club.

STEVE O'NEILL, E.E.
Milwaukee, Wisconsin
Blue Key; Sigma Nu; American Institute of Electrical Engineers; Institute of Radio Engineers; Student Council, Recording Secretary; Honor Man; R-Man, Secretary-Treasurer; Football; Baseball.

GERALD K. OXLEY, M.E.
Wingate, Indiana
Theta Xi, President, Vice-President; American Society of Mechanical Engineers, Vice-President; MODULUS, Copy and Sales Staff; Interfraternity Council.





DON J. PIERCE, M.E.
Fort Wayne, Indiana
Sigma Nu; American Society of Mechanical Engineers; Honor Man; Campus Club; R-Man; Glee Club.

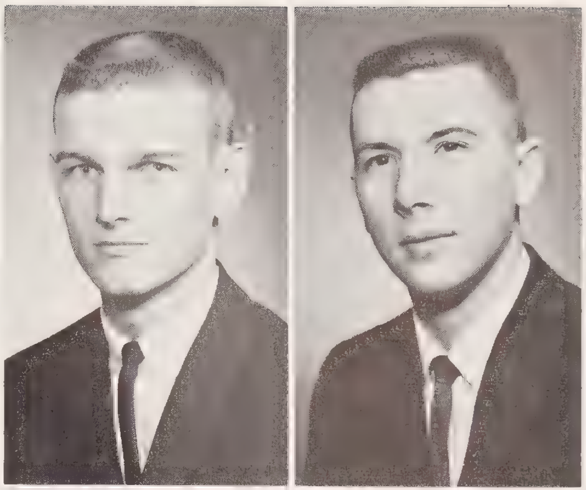
JAY D. POLLITT, E.E.
Terre Haute, Indiana
Alpha Tau Omega; Institute of Electrical and Electronics Engineers; American Society of Military Engineers, Secretary; MODULUS, Layout Editor, Layout Staff; TECHNIC, Contributing Staff; Glee Club.

JOHN MARTIN PORTLOCK, E.E.
Evansville, Indiana
Tau Beta Pi; Institute of Radio Engineers, Chairman; Society of American Military Engineers; EXPLORER, Cartoonist; Campus Club, Secretary; R-Man; Radio Club; Class Honors, Fr., Soph., Jr.

WILLIAM D. RANDOLPH, MATH
Edinburg, Indiana
Lambda Chi Alpha, Treasurer; Mathematical Association of America; EXPLORER, Reporter; Campus Club; R-Man; Glee Club; Math Club, President, Secretary-Treasurer.

RICHARD C. RAPSON, JR., M.E.
Lyndon, Kentucky
Blue Key; Tau Beta Pi; Alpha Tau Omega, Treasurer, Historian; American Society of Mechanical Engineers; Society of American Military Engineers; MODULUS, Co-Editor, Managing Editor, Advertising Staff, Sales Staff; TECHNIC, Contributing Editor, Circulation Manager, Circulation Staff; Honor Man; R-Man; Class Honors, Jr.; Rose Rifles; Baseball Manager.

GARY M. REYNOLDS, Ch.E.
Straughn, Indiana
Sigma Nu, Sentinel; American Institute of Chemical Engineers; Campus Club; Glee Club.



MERLE DALTON RICE, E.E.
Fort Wayne, Indiana
Blue Key; Institute of Radio Engineers; TECHNIC, Contributing Staff; EXPLORER, Feature Staff, Feature Editor, Co-Editor; Honor Man; Campus Club; Glee Club, Business Manager, Class Honors, Fr.; Pep Band.

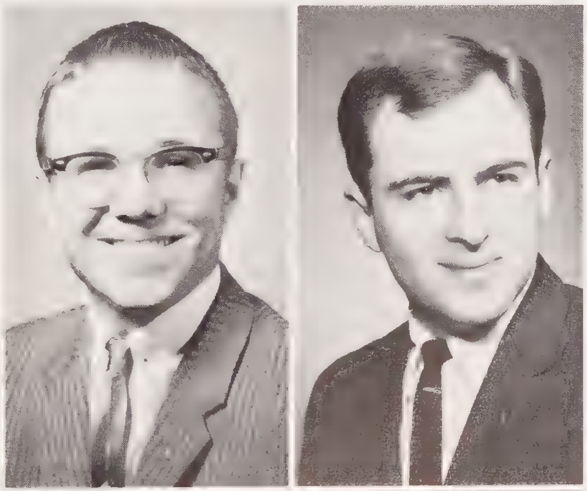
PAUL F. RICHARDSON, Ch.E.
North Salem, Indiana
Blue Key; Tau Beta Pi, Cataloger; American Institute of Chemical Engineers, President; Campus Club, President; Class Honors, Fr., Soph., Jr.

DARYLE E. RIEGLE, E.E.
Vincennes, Indiana
Tau Beta Pi; Institute of Electrical and Electronic Engineers; Campus Club; Class Honors, Jr.

JACK RILEY, PHYSICS
Tau Beta Pi; American Institute of Physics, President; Glee Club, Librarian; Class Honors, Fr., Soph., Jr.

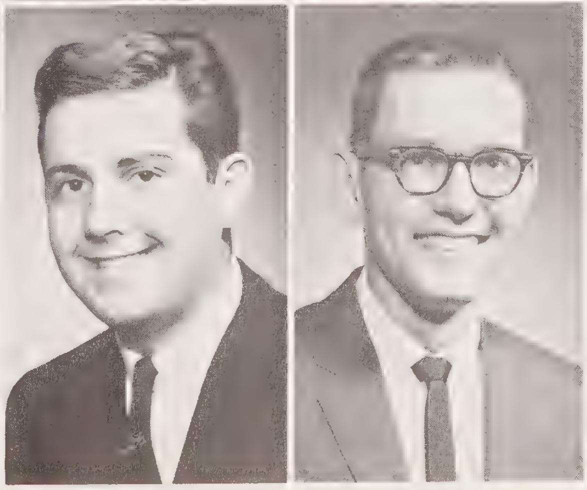
VICTOR RISCH, C.E.
Indianapolis, Indiana
Theta Xi; American Society of Civil Engineers; Society of American Military Engineers; Campus Club; Rose Rifles; Track.

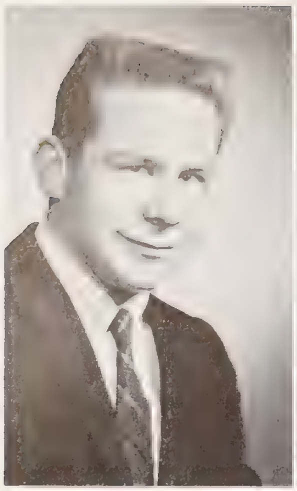
DAVID L. ROBERTS, Ch.E.
Louisville, Kentucky
Blue Key; Tau Beta Pi; Theta Xi, President, Vice-President, Secretary; American Institute of Chemical Engineers, Vice-President; Student Council, President; Interfraternity Council; Class Honors, Fr., Soph.; Junior Class Vice-President.



GILBERT ROBINSON, M.E.
Hobart, Indiana
Sigma Nu; American Society of Mechanical Engineers; Society of American Military Engineers; Campus Club; Glee Club.

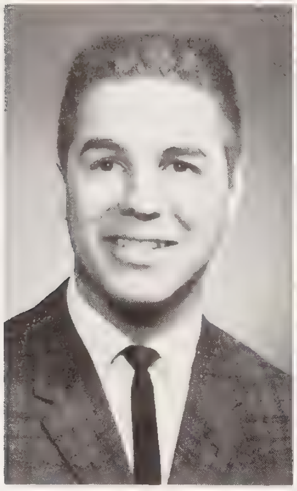
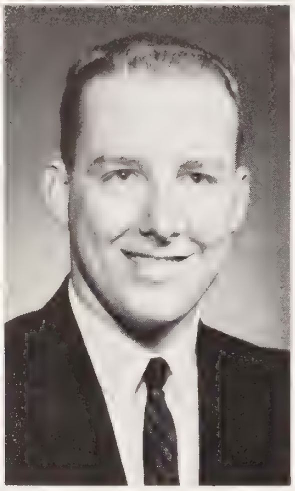
CHARLES T. ROSE, C.E.
Washington, Indiana
Alpha Tau Omega, Ritual Officer; American Society of Civil Engineers, President, Vice-President.





PAUL E. SABLA, M.E.
Terre Haute, Indiana
Sigma Nu; American Society of Mechanical Engineers; Glee Club; Rifle Club.

LARRY W. SHAFFER, PHYSICS
Terre Haute, Indiana
Blue Key, Secretary-Treasurer; Alpha Tau Omega, Historian; American Institute of Physics; TECHNIC, Feature Staff; Glee Club, President, Business Manager; Class Honors, Fr.

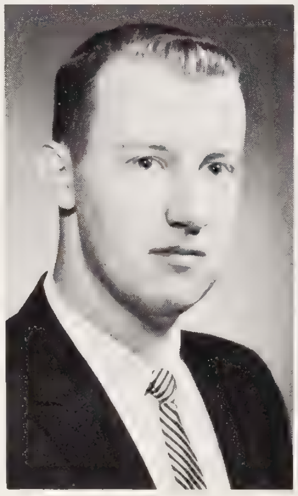



ANDREW M. SPANGLER, PHYSICS
Terre Haute, Indiana
Sigma Nu; American Institute of Physics; Society of American Military Engineers; Distinguished Military Student.

CHARLES P. SPENCER, M.E.
Evansville, Indiana
Theta Xi; American Society of Mechanical Engineers.

DARROL L. SPURGEON, M.E.
Dana, Indiana
American Society of Mechanical Engineers; MODULUS, Layout Staff.

ROBERT H. STEDER, Ch.E.
Riverdale, Illinois
Theta Xi, President; American Institute of Chemical Engineers, President; EXPLORER, Sports Staff; Interfraternity Council.



RON SUSEMICHEL, E.E.
Indianapolis, Indiana
Lambda Chi Alpha; Institute of Electrical and Electronics Engineers; EXPLORER, Business Manager, Advertising Staff; Campus Club; Glee Club.

JOHN TOOLE, M.E.
Evansville, Indiana
Sigma Nu; American Society of Mechanical Engineers; MODULUS, Sports Staff; Campus Club; Glee Club.

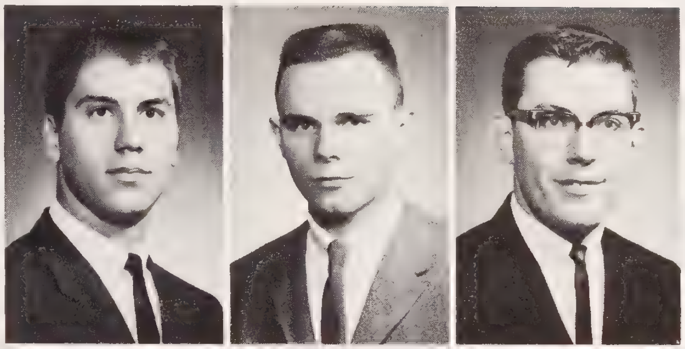
GARY VALBERT, M.E.
Flora, Illinois
Sigma Nu, Historian; American Society of Mechanical Engineers; Society of American Military Engineers; MODULUS, Photography Staff; EXPLORER, Photography Staff; Camera Club; Flying Club, Treasurer.

JAMES EDWARD YOUNG, M.E.
Indianapolis, Indiana
Lambda Chi Alpha; American Society of Mechanical Engineers; Honor Man; R-Man; Glee Club; Baseball, Captain.

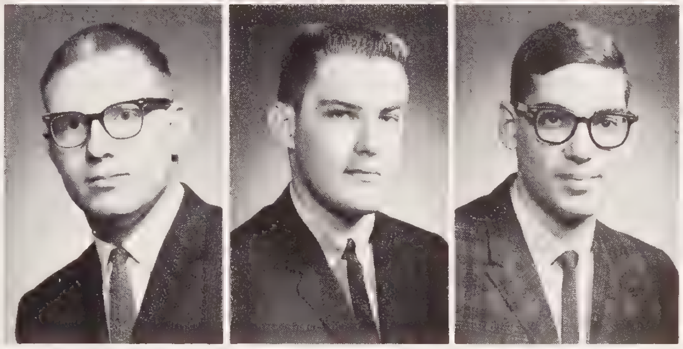
JUNIORS

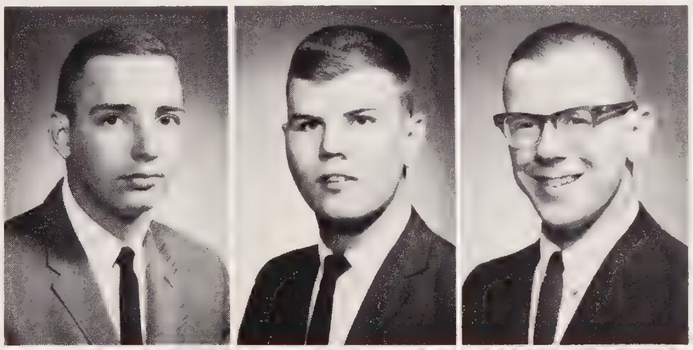
Lindley Ruddick, *President*
Steve Hoffman, *Vice-President*
Bill Templin, *Secretary-Treasurer*

JAMES S. ABEL, M.E.
Terre Haute, Indiana
WILLIAM B. ALLARD, MATH
Pickford, Michigan
GERALD L. ARMES, E.E.
Washington, Indiana



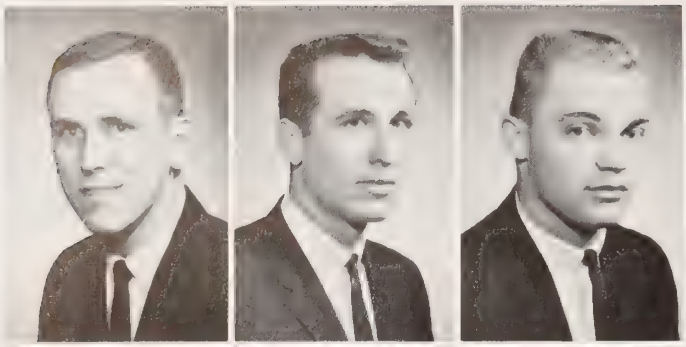
LARRY R. ARNOLD, MATH
Terre Haute, Indiana
MORRIS A. BECHTEL, E.E.
Winslow, Indiana
JULIAN BERGMAN, E.E.
Brooklyn, New York



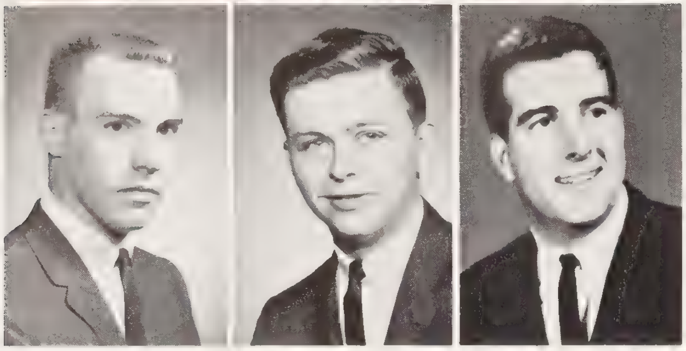


WILLIAM L. BERGSTRAND, M.E.
Brookfield, Illinois
THOMAS T. BILIA, C.E.
Pittsfield, Massachusetts
JOHN R. BLANCHARD, MATH
Griffith, Indiana

ROBERT W. BONSON, E.E.
Palestine, Illinois
ROBERT R. BOROUGHS, M.E.
Terre Haute, Indiana
JERRY E. BOWER, Ch.E.
Nabb, Indiana

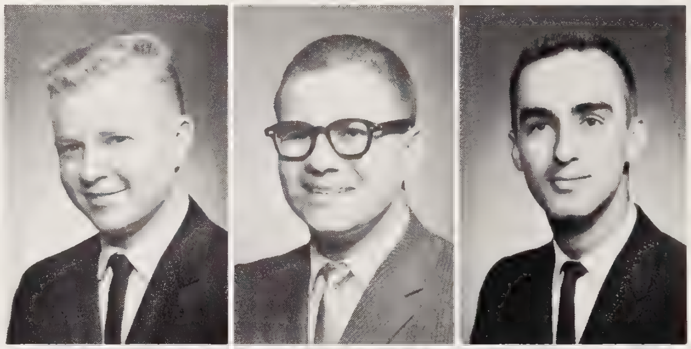


JAMES L. BROWN, M.E.
Memphis, Indiana
PETER B. CANALIA, M.E.
Chicago, Illinois
STEVEN L. CHARLTON, M.E.
New Castle, Indiana

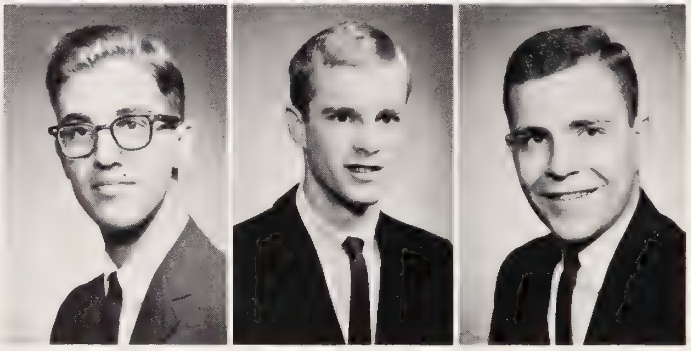


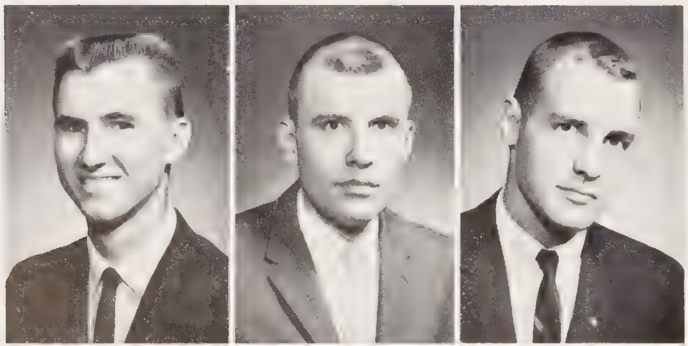
ALVIN L. CLEEK, M.E.
Crawfordsville, Indiana
LARRY G. CLEMONS, E.E.
Trenton, Michigan
WILLIAM L. COLLINS, C.E.
South Bend, Indiana

ROBERT N. COLTHARP, CHEMISTRY
Sellyville, Indiana
JACK D. COX, C.E.
Terre Haute, Indiana
CHRIS F. DEISHER, M.E.
Lewisburg, Ohio

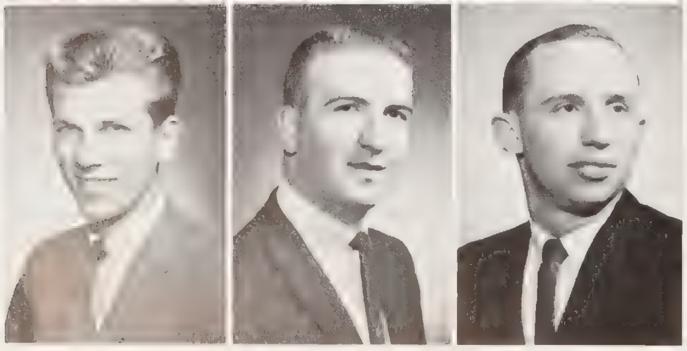


BRONIS R. DESUPINSKI, MATH
Parkersburg, West Virgiana
ROBERT I. DICE, C.E.
Memphis, Tennessee
EDWARD K. DOWNEY, C.E.
Rosiclare, Illinois



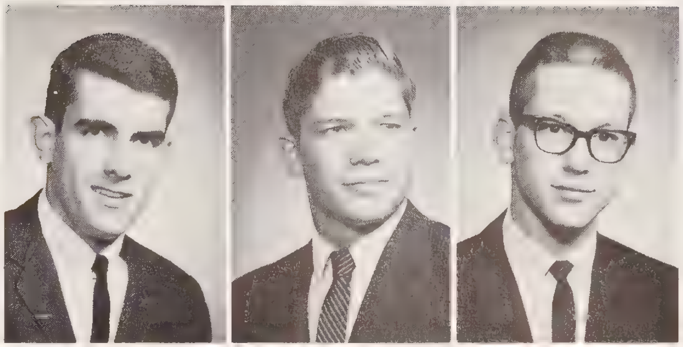


BRYCE D. DRAKE, M.E.
Martinsville, Ilinois
RONALD L. ESSERMAN, E.E.
Chesterton, Indiana
ROBERT R. FINNEY, M.E.
Deerfield, Illinois

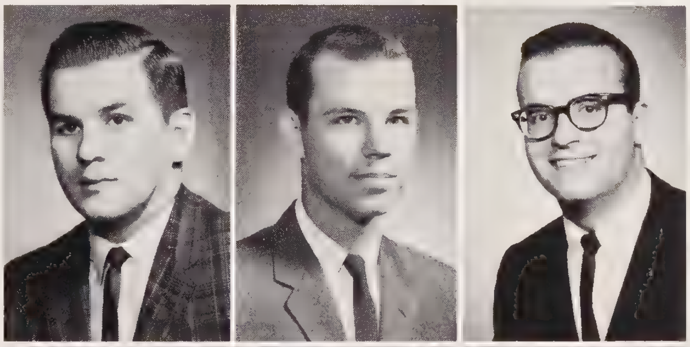


WARREN L. FOY, C.E.
Terre Haute, Indiana
WILLIAM M. GENTRY, C.E.
Terre Haute, Indiana
ROBERT R. GORDON, E.E.
Elwood, Indiana

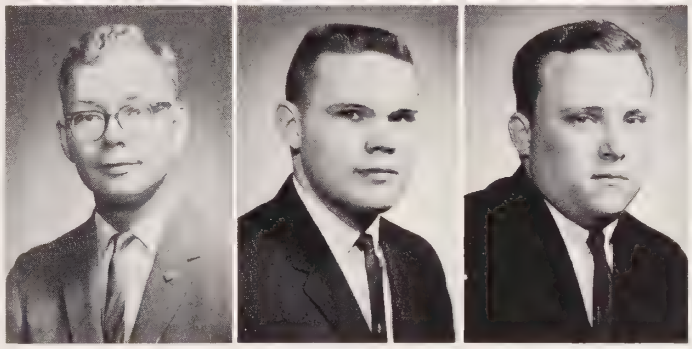
PAUL G. GOSS, E.E.
Indianapolis, Indiana
PAUL A. GRAFE, MATH
Terre Haute, Indiana
MARS J. GRALIA, PHYSICS
Indianapolis, Indiana



JOSEPH R. GRIFFIN, M.E.
Speedway, Indiana
LARRY B. HALL, E.E.
Indianapolis, Indiana
LARRY E. HALL, Ch.E.
North Salem, Indiana

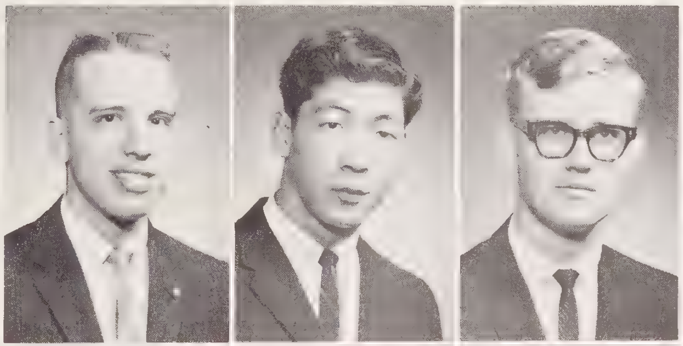


PATRICK C. HAUERT, M.E.
Kankakee, Illinois
JAMES L. HAYHURST, M.E.
Hebron, Indiana
STEPHEN J. HOFFMAN, E.E.
Fort Wayne, Indiana

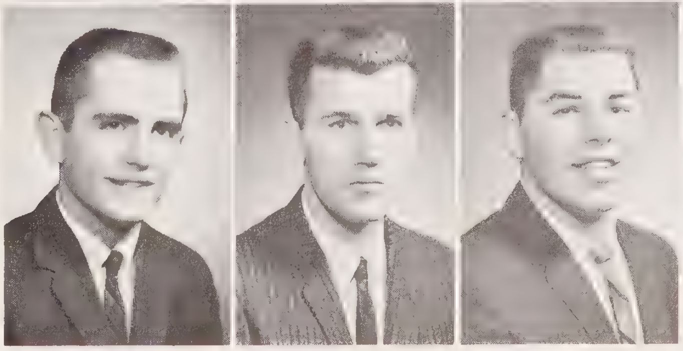


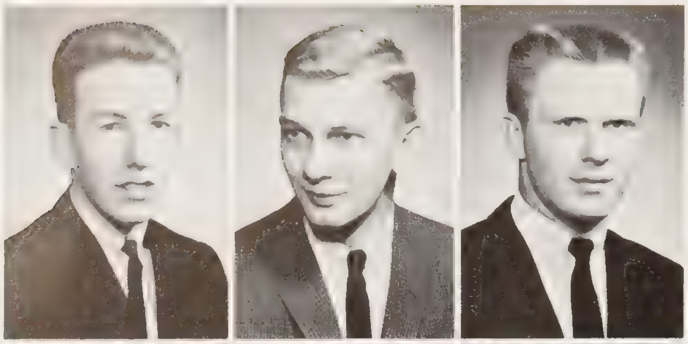
GEORGE L. HOLLAND, Ch.E.
Chattanooga, Tennessee
GEORGE T. HOLMES, E.E.
Evansville, Indiana
DAVID B. HOLOBAUGH, C.E.
Tipp City, Ohio

CHARLES B. HUPPERT, E.E.
Indianapolis, Indiana
MELVYN A. IZUMI, M.E.
Wapahu, Oahu, Hawaii
RICHARD H. JENSEN, Ch.E.
Indianapolis, Indiana

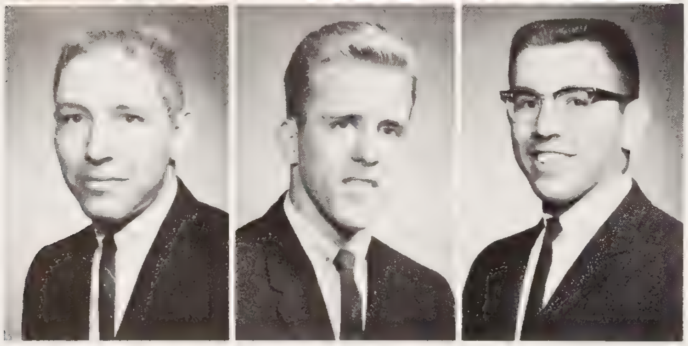


CURTIS R. JONES, Ch.E.
Anderson, Indiana
EDWARD P. KELLY, M.E.
Terre Haute, Indiana
ROBERT G. KEVORKIAN, C.E.
Wakefield, Massachusetts





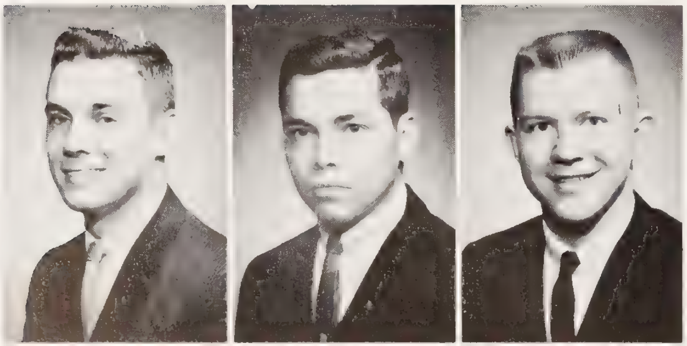
BRUCE M. KOPF, M.E.
Oak Lawn, Illinois
WILLIAM L. KOVACS, Ch.E.
LaGrange, Illinois
DAVID T. LARUE, C.E.
Louisville, Kentucky



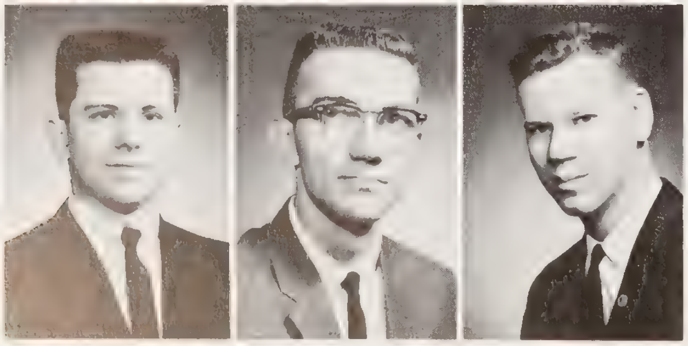
DENNIS L. LAWSON, Ch.E.
Princeton, Indiana
ROBERT E. LEONARD, M.E.
Speedway, Indiana
VAUGHN R. LOVE, M.E.
Brazil, Indiana

BRENTON R. LOWER, M.E.
Mishawaka, Indiana
DAVID E. LOVELACE, MATH
Olney, Illinois
JIMMY L. LUNSFORD, M.E.
Cayuga, Indiana

LARRY W. MACDONALD, C.E.
Brazil, Indiana
ROBERT W. McCOIGE, C.E.
Culver, Indiana
JAMES L. McCOSKEY, C.E.
Terre Haute, Indiana

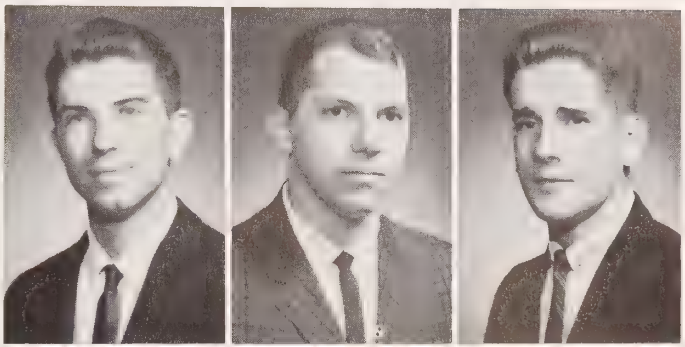


ROBERT A. McKNIGHT, M.E.
Zionsville, Indiana
GERRAND L. MELLINGER, E.E.
Terre Haute, Indiana
DONALD D. MILLER, M.E.
Seymour, Indiana

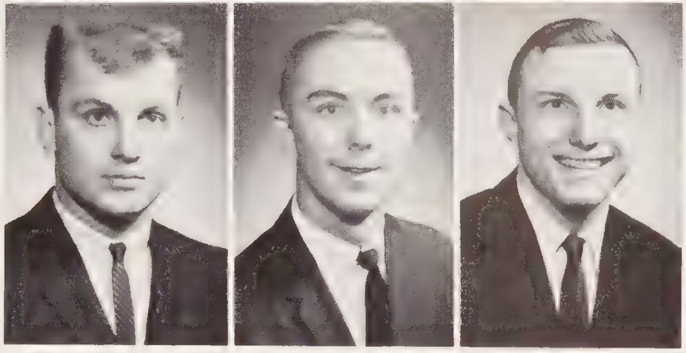


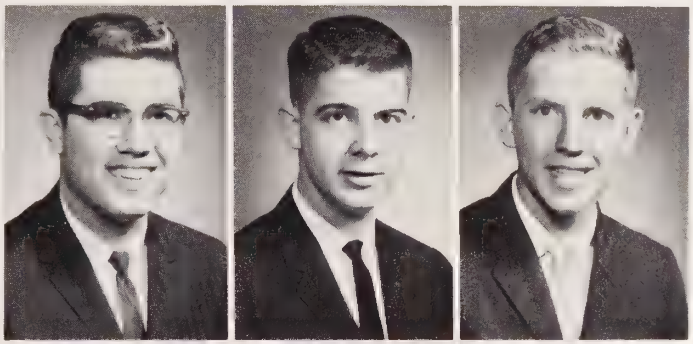
CARL E. MOFFETT, M.E.
Terre Haute, Indiana
DENNIS W. MOORE, MATH
Mattoon, Illinois
DAVID E. MORGAN, PHYSICS
Terre Haute, Indiana

LARRY G. MORGAN, CHEMISTRY
Findlay, Ohio
GEORGE M. NEWMAN, E.E.
Richmond, Indiana
DAVID NIEDERHAUS, C.E.
Evansville, Indiana

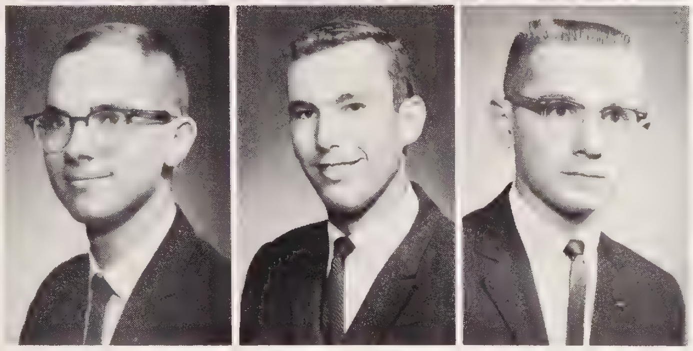


PETER A. PETROWSKY, C.E.
Terre Haute, Indiana
ROBERT W. RANDALL, Ch.E.
Beecher City, Illinois
ALFRED J. RATZ, CHEMISTRY
Indianapolis, Indiana



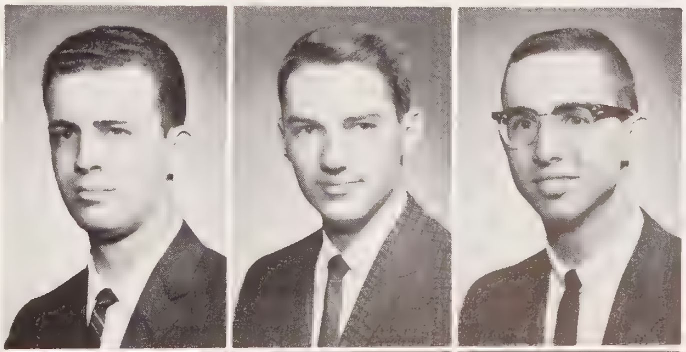


DAVID A. RENNELS, E.E.
Terre Haute, Indiana
DAVID Y. RICE, JR.
Rocky River, Ohio
THOMAS E. ROBISON, M.E.
Brazil, Indiana

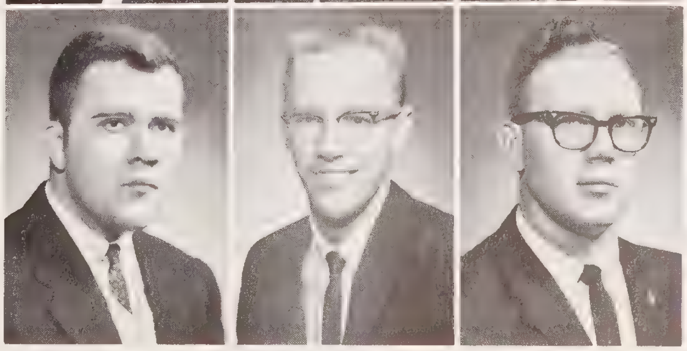


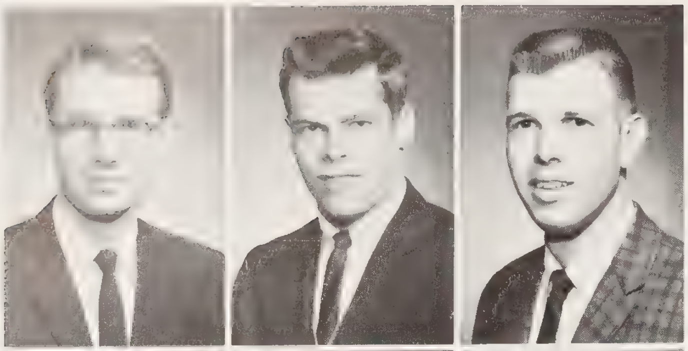
JOHN A. ROHR, MATH
Hinsdale, Illinois
WILLIAM R. ROYER, E.E.
Farmersburg, Indiana
E. LINDLEY RUDDICK, Ch.E.
Seymour, Indiana

JOHN D. SAUSER, Ch.E.
Centerville, Indiana
MICHAEL L. SCHERER, E.E.
Indianapolis, Indiana
JAMES W. SCHULZ, C.E.
Indianapolis, Indiana



DAVID E. SEDAM, MATH
Indianapolis, Indiana
RICHARD K. SHADE, M.E.
Seymour, Indiana
JOHN H. SNIPES, MATH
Terre Haute, Indiana

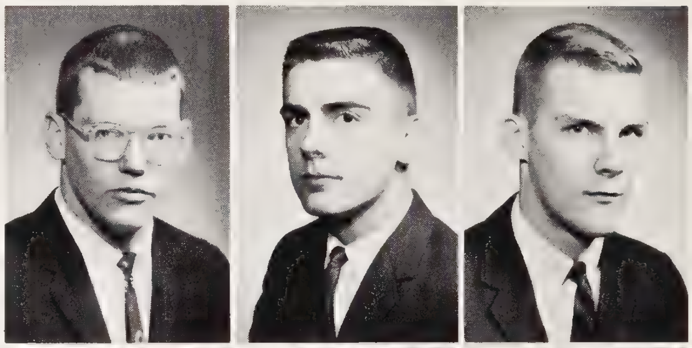




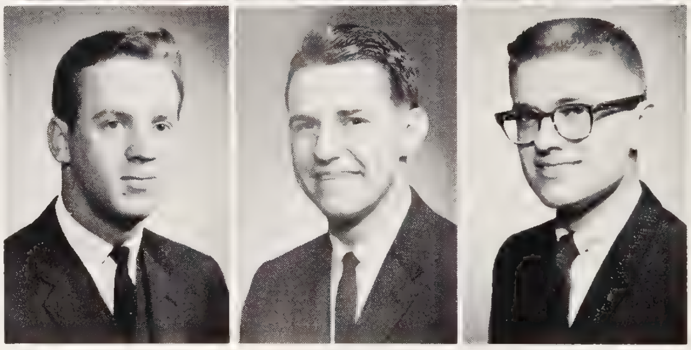
ROBERT E. STERRETT, JR., MATH
Attica, Indiana
JOHN E. STEWART, E.E.
Crawfordsville, Indiana
JOHN F. STINEMAN, M.E.
Cincinnati, Ohio

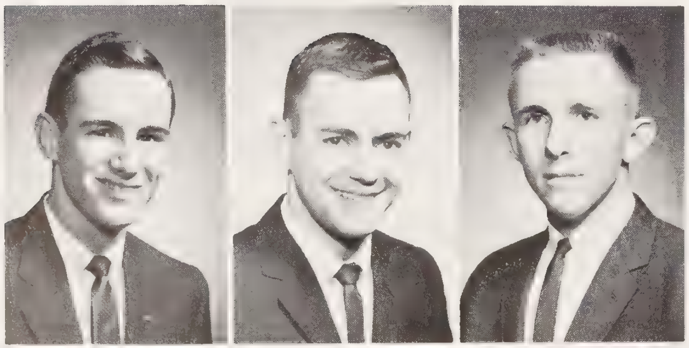
JOHN R. STOCKTON, MATH
Terre Haute, Indiana
WILFORD P. STRATTEN, PHYSICS
Creston, Indiana
RICHARD D. SWAN, M.E.
Lakeville, Indiana

WILLIAM K. TEEGUARDEN, MATH
Indianapolis, Indiana
HARRY W. TEMPLIN, M.E.
Danville, Indiana
CHARLES T. TERRY, C.E.
Kewanee, Illinois

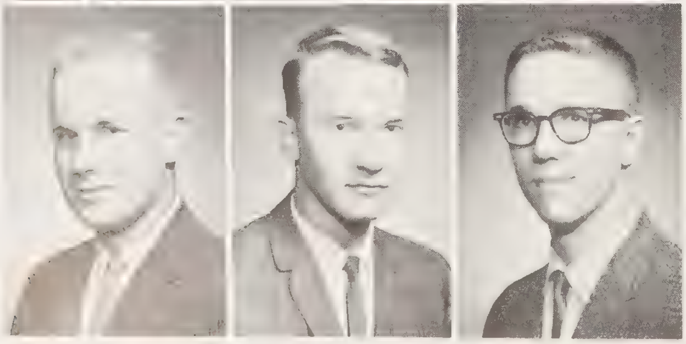


MICHAEL D. THOMAS, M.E.
Brazil, Indiana
RONALD L. THOMAS, M.E.
Joliet, Illinois
JOSEPH E. THURSTON, M.E.
Richmond, Indiana



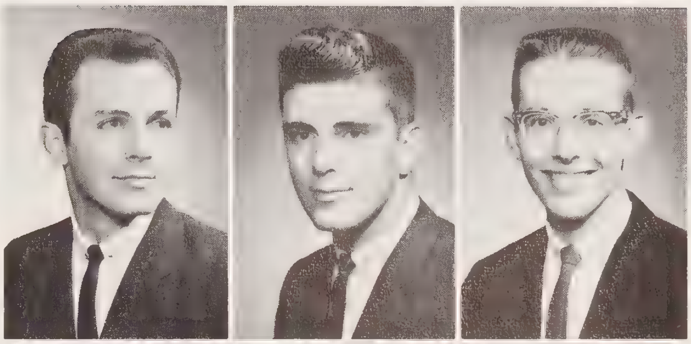


JOHN W. ULMER, MATH
Indianapolis, Indiana
ROBERT E. VALLE, M.E.
Terre Haute, Indiana
GEORGE I. WAGNER, E.E.
Kokomo, Indiana

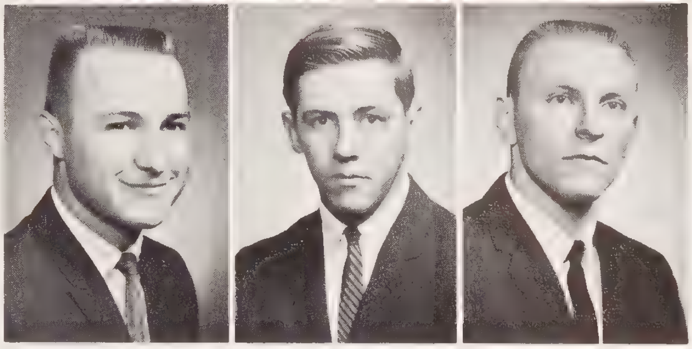


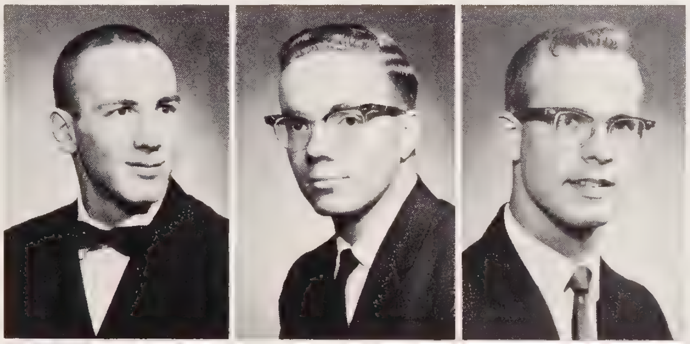
RAYMOND A. WARD, MATH
Ramsey, New Jersey
JOHN M. WARNKE, M.E.
Springfield, Illinois
GORDON H. WARSTLER, PHYSICS
Inglewood, California

JAMES D. WATKINS, E.E.
Nabb, Indiana
WILLIAM K. WATSON, M.E.
Culver, Indiana
JAMES J. WEBBER, Ch.E.
Clinton, Indiana

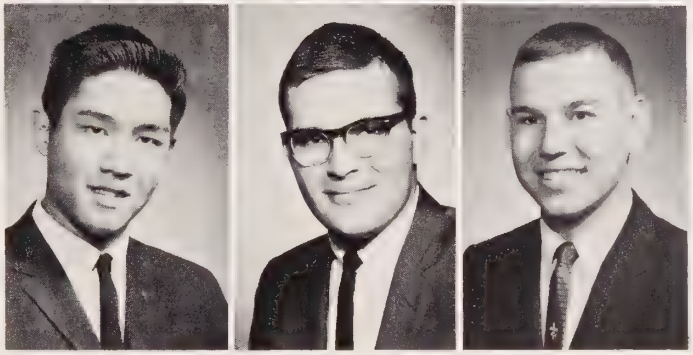


JOSEPH B. WEISER, M.E.
Middletown, Indiana
KENNETH H. WICKWIRE, MATH
St. Louis, Missouri
JOE D. WISE, Ch.E.
Jasonville, Indiana

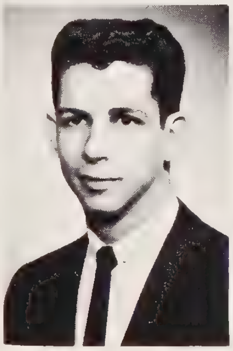




DUANE R. WOOD, M.E.
Indianapolis, Indiana
EDWARD A. WRIGHT, E.E.
Casey, Illinois
CHARLES S. YAGER, E.E.
Indianapolis, Indiana



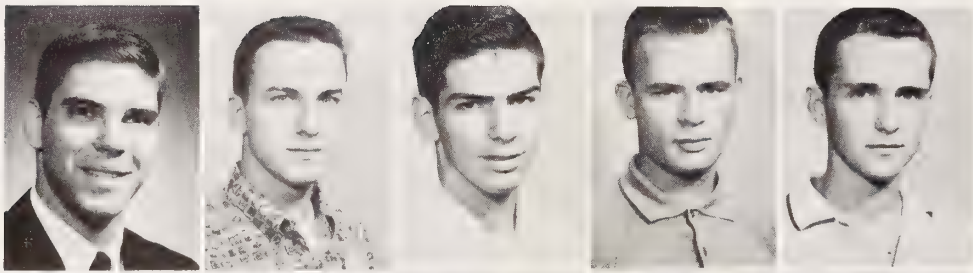
CURTIS Q. H. YEE, C.E.
Honolulu, Hawaii
EDWARD L. ZAENGLEIN, C.E.
Indianapolis, Indiana
JOHN M. ZDENEK, E.E.
Riverside, Illinois



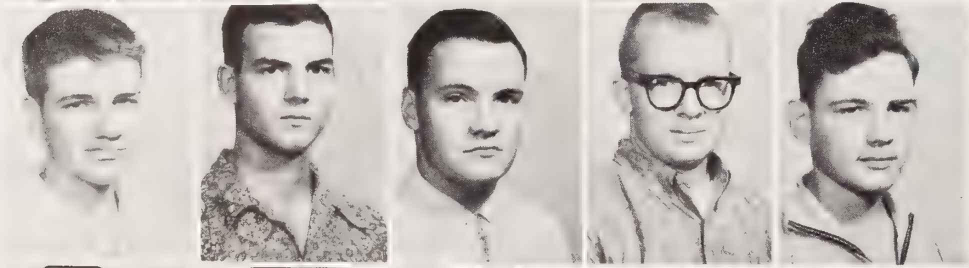
GERALD F. ZINNGRABE
Evergreen Park, Illinois

Grady Wallace, *President*
Bill Sims, *Vice-President*
John Diefenbaugh, *Secretary-Treasurer*

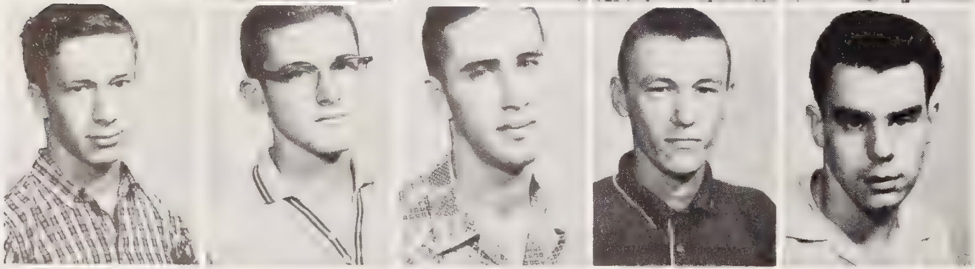
SOPHOMORES



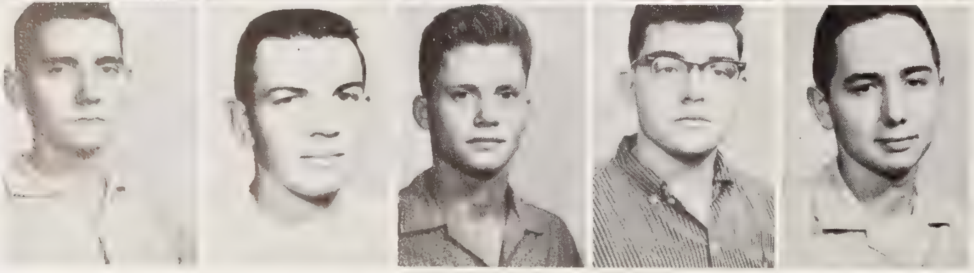
Robert C. Allen, III
Howard G. Alm
Michael I. Adkins
Charles H. Baker
Dale E. Barkley



Robert H. Barnett
Robert L. Barr, Jr.
James D. Baylis
Robert C. Blahut
Richard P. Blakely

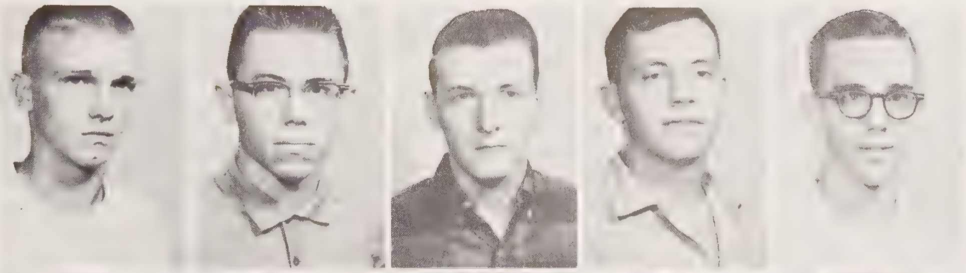


John W. Boyer
Nikky L. Bradley
Jack R. Braun
Jim L. Brown
James A. Bullard



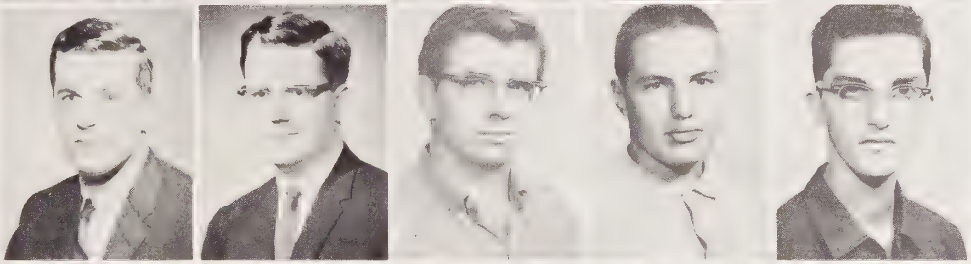
John S. Bush
Joseph A. Byrd
David G. Cameron
Gus E. Carroll
Ronald L. Chapman

Michael Christeson
Robert N. Clark
James R. Comingore
Harold M. Coon
James L. Copeland

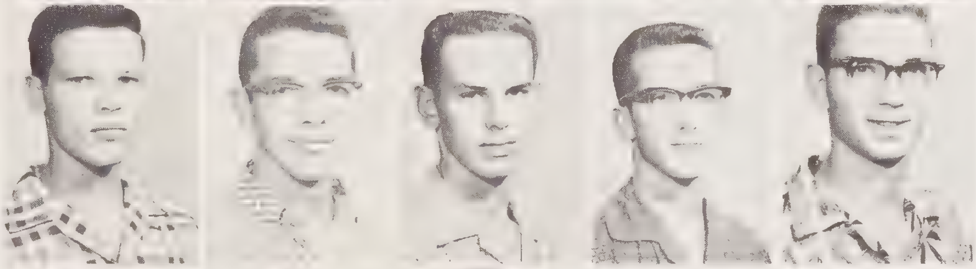


Jerry L. Copenhefer
Earl E. Creekmore
Clarence E. Delporte
John E. Diefenbaugh
James A. Doolittle

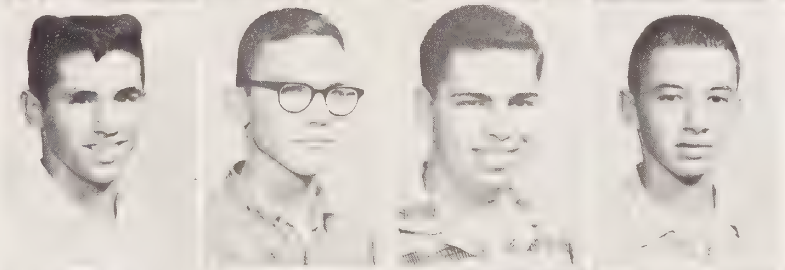
B. William Dudley, Jr.
James E. Dunn
Bruce G. Egenolf
Donald L. Endsley
Edward W. Erker



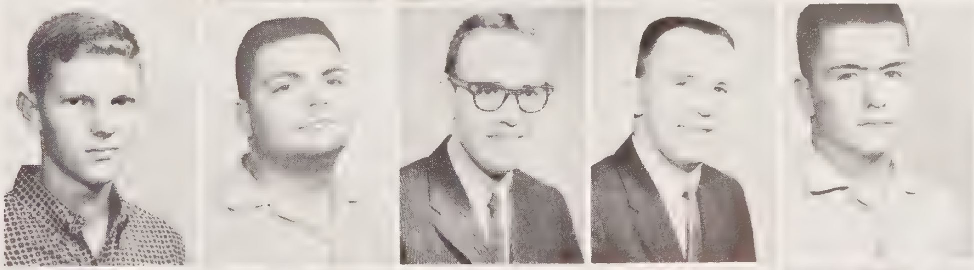
Thomas A. Evans
William E. Everson
James H. Fearday
Terry L. Fenimore
James W. Francis



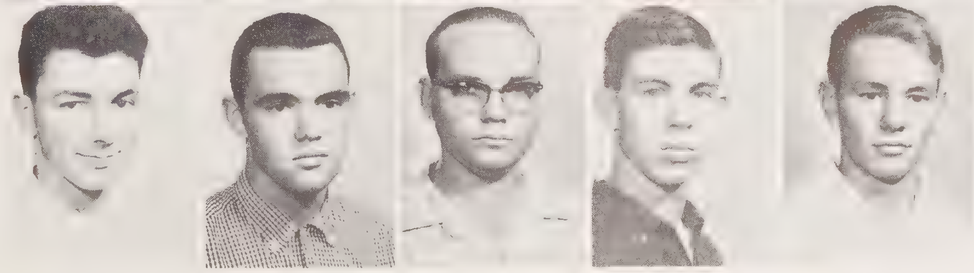
Michael A. Francis
John R. Frischkorn
Ray V. Frischkorn
Ronald G. Galbraith
Warren C. Gaskill

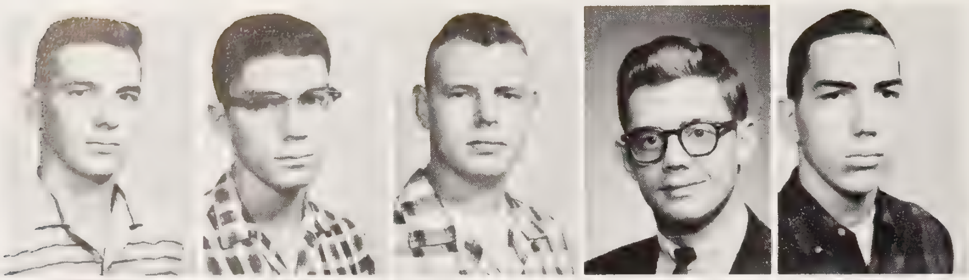


David G. Gerstenkorn
Ronald G. Gesell
John J. Giffel
Alan L. Gordon
Arthur W. Griffith



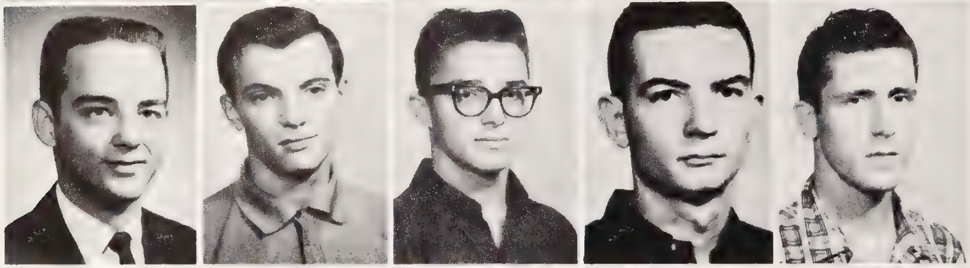
Jeffery B. Griggs
Elmer A. Guerri
Robert W. Haddix
David M. Hall
Phillip H. Halt



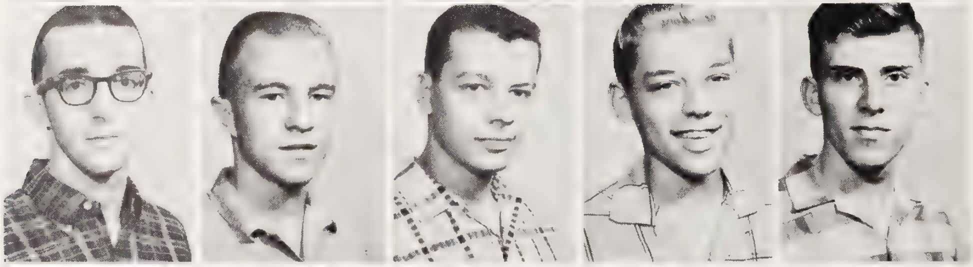


Lowell G. Hardwick
Craig R. Heindel
Stanley W. Henson
William R. Holland, Jr.
Ernest E. Holt

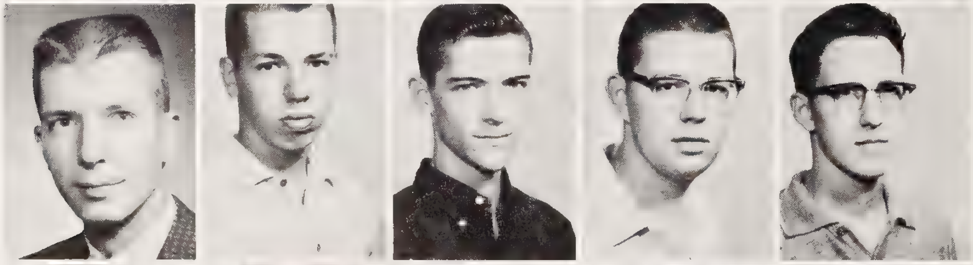
William G. Holt
Jerome L. Hoover
James D. Howerstine
Robert E. Huffman
David L. Hussing



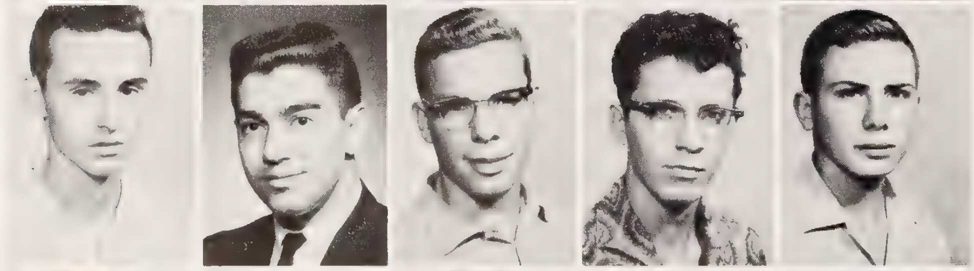
Lawrence H. Jackson, Jr.
Stephen W. James
Evan H. Johnson
Richard T. King
Jacobus Kooiman



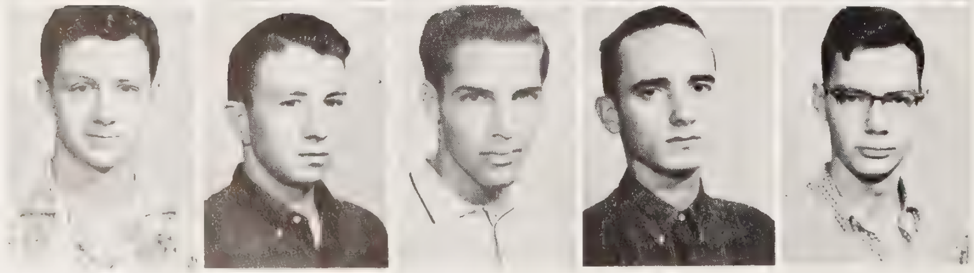
John A. Kuhn
William N. Kuschel
James J. Kuzmanovich
Terry A. Larson
Paul F. Lilienkamp



Phillip G. Lindeman
Roger D. Lloyd
Roger C. Long
G. Michael Lubecky
David W. McReakin

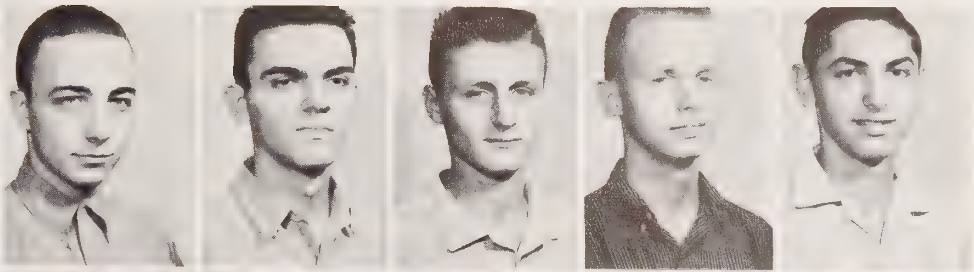


Russell C. Magers
Bahman Mahmoodi
Stephen P. Marshall
Jerry L. Massa
Alfred J. Mayle

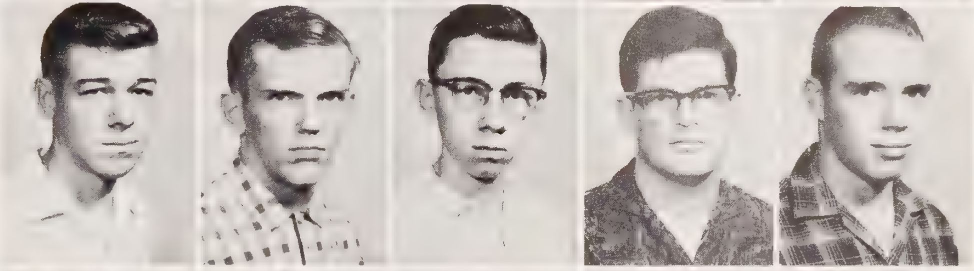


Charles B. Miller
Thomas P. Moulder
Roy J. Mueller
David H. Nancrede
John W. Oglesbee

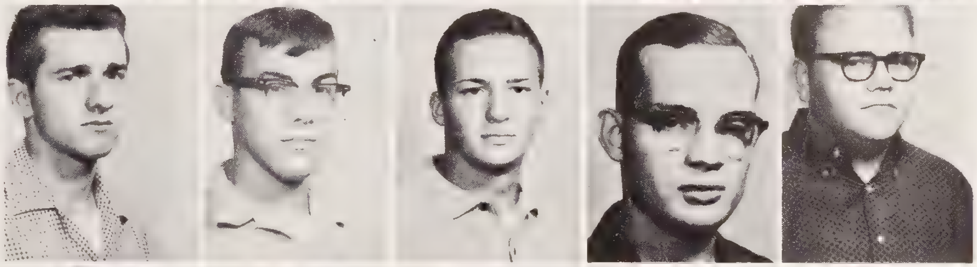
William T. O'Rear
Richard T. Orosz
James R. Overdorf
Curtis P. Pease
Mark O. Pitts



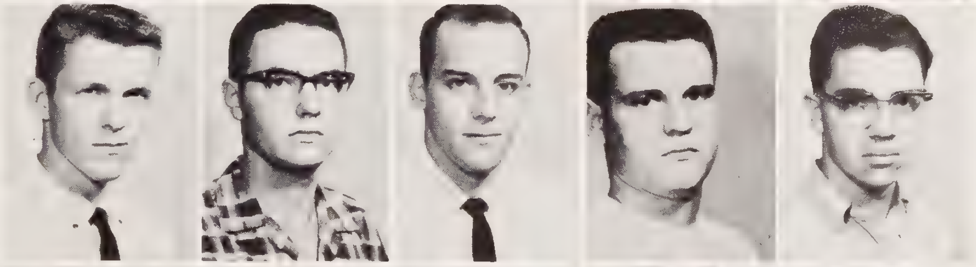
Robert C. Priddy
John M. Puschaver
Benedict R. Radecki
Richard M. Reeves
John R. Righthouse



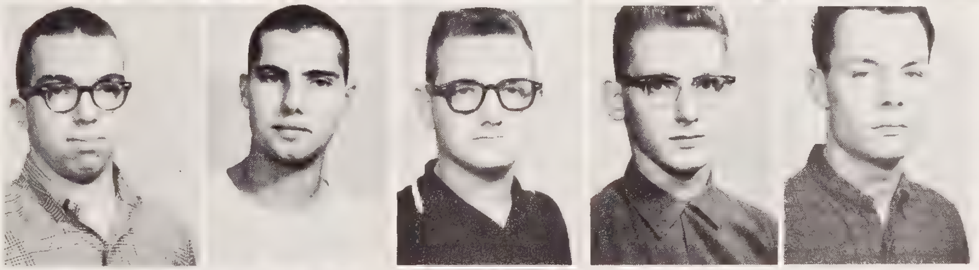
Stephen J. Rozgony, Jr.
Leonard F. Schalburg
Norman G. Schuld
Paul J. Schweri
Gary W. Shillinger



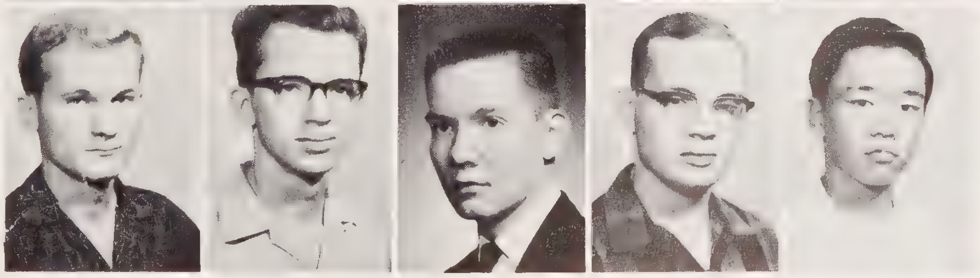
Billy J. Sims
Allen R. Stanley
Ronald E. Sullivan
Sammy O. Swan
Andrew D. Szilagyi, Jr.



Ronald F. Turaski, Jr.
Michael L. Vorkapich
James M. Wadsworth
Grady R. Wallace, Jr.
Steven P. Watson



Richard M. Wedge
Glendon G. Williams
John C. Willman
Stephen C. Woolley
Thomas A. Yoshida

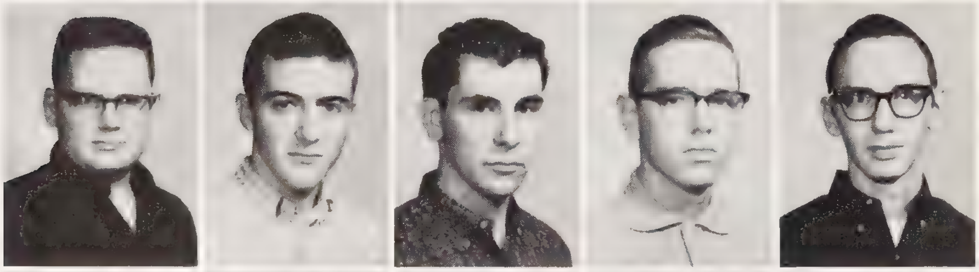


woolley ↗

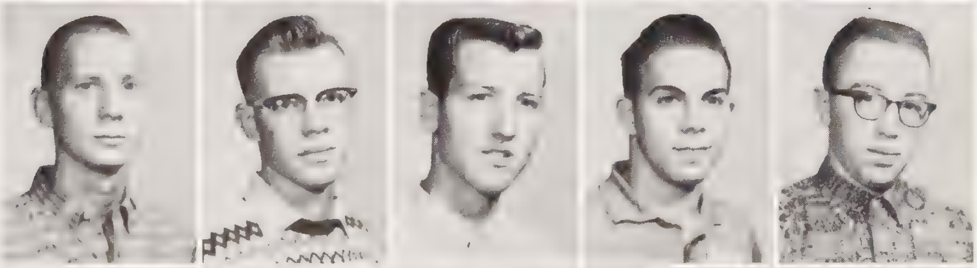
Willman ↗

FRESHMEN

Jeff Brugos, *President*
Don Elliott, *Vice-President*
Terry Taylor, *Secretary-Treasurer*



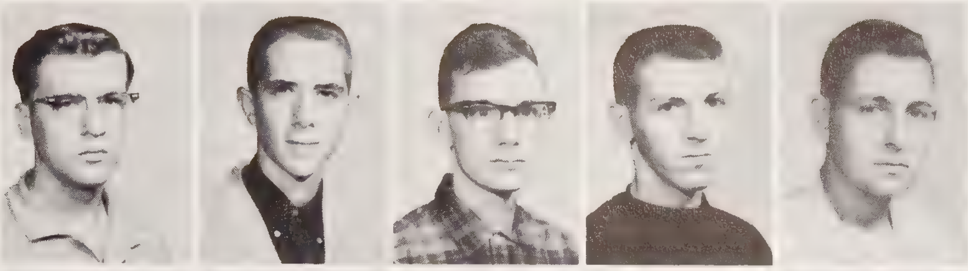
John H. Zeller, III
Mark E. Zaenglein
Richard A. Young
Paul L. Wycoff
Donald D. Wray



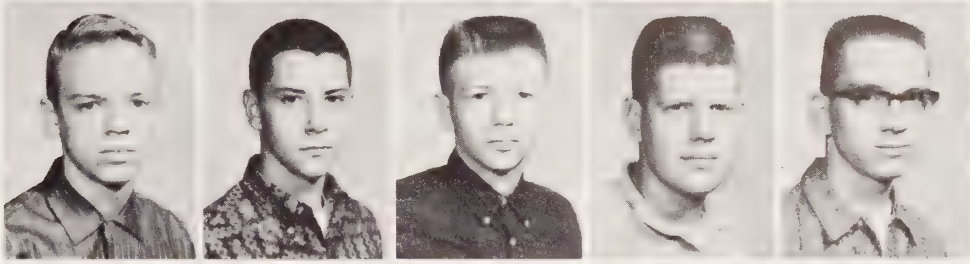
David T. Woodward
Allen L. Wolfe
Dennis A. Witthoft
John R. Wise
J. Stephen Windler

George M. Williams
Thomas M. Wilhoite
Alan H. Welton
Lyn A. Wechsler
Robert E. Wattleworth

Charles R. Watson
Charles R. Walker
Gary L. Van Deman
James A. Underwood
Joseph B. Tynan, Jr.

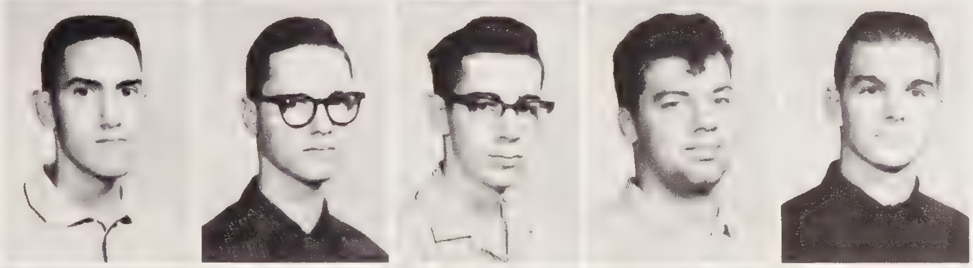


Arthur J. Thompson
Michael D. Thomley
Larry E. Thomas
Jerry R. Thomas
Gerrald C. Tekulve



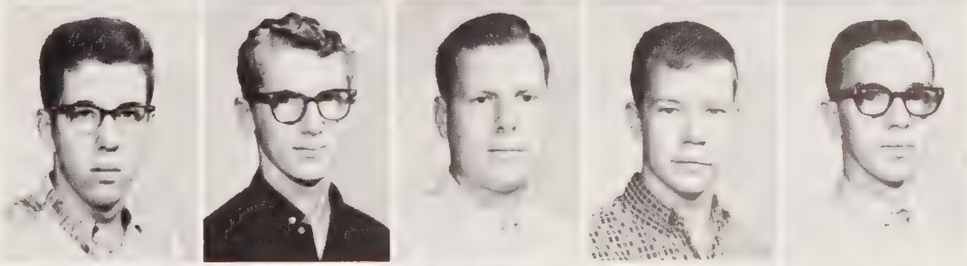
Terence L. Taylor
Peter G. Taylor
Thomas W. Takacs
Woodrow A. Sutton, Jr.
Roy E. Stuffle

Michael R. Stucke
Kenneth R. Stuber
Jerome P. Stineman
Greg M. Stephens
Robert D. Stanton



Thomas R. Sprouse
Michael A. Spellman
Richard D. Snyder
Harry L. Slamkowski, Jr.
John W. Slack, Jr.

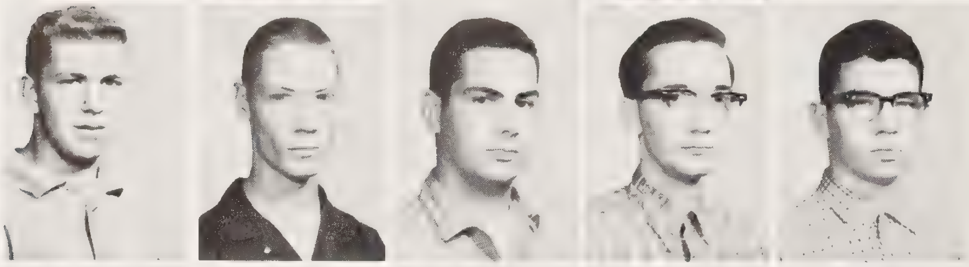
Scott A. Skjordahl
David A. Skevington
James C. Skell
Jay B. Sinex
Quinton A. Siemer



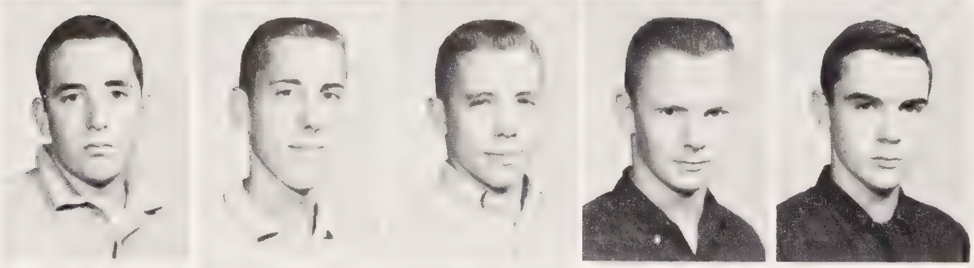
William J. Siebel
Larry R. Shuman
Michael E. Shoultz
Timothy E. Sherman
William J. Serban

Terry L. Schultz
Phillip H. Schaad
Robert K. Sanberg
Gregory J. Samoluk
Larry A. Sachs

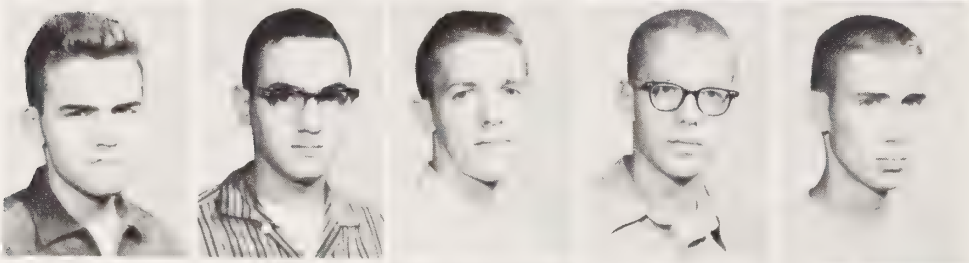
David R. Saad
Alex A. Rybicki, Jr.
Dean W. Russell
Charles A. Roteck
Robert W. Rose



William F. Roemler
Rex D. Robinson
David L. Robinson
Kenneth E. Rich
Stephen W. Reiss

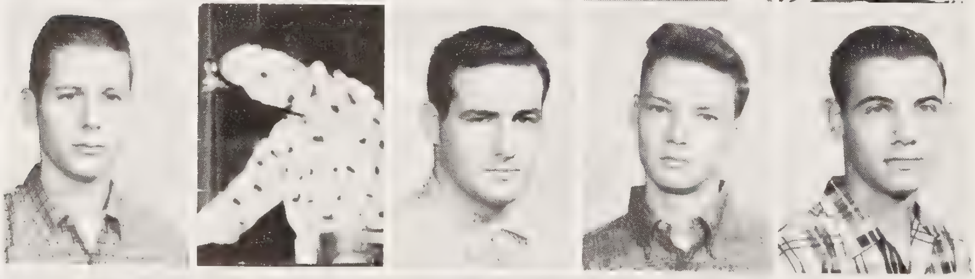


Joseph S. Rein
John M. Reeves
Michael C. Redman
Edward A. Rapp
Gary A. Ransford

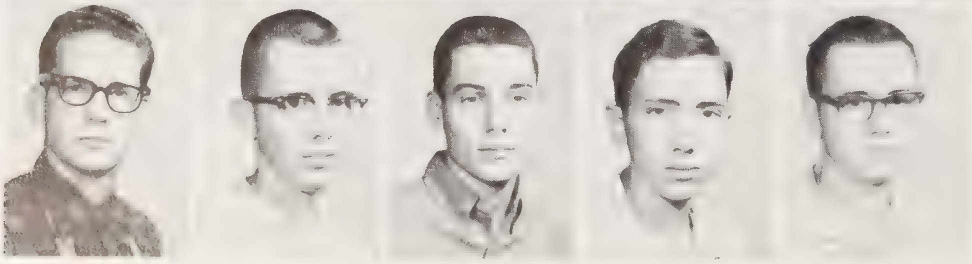


William S. A. Quirk
Michael G. Prather
Robert J. Porte
Clyde C. Phillips, Jr.
Gordon J. Phelps

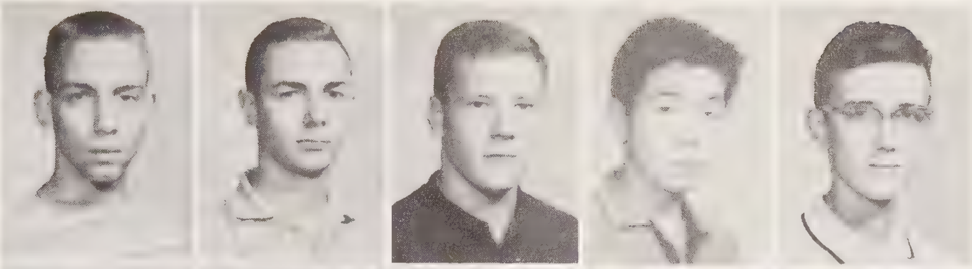
Allen W. Pence
Robert R. Parks, Jr.
Arthur V. Pack, Jr.
Wilfred S. Otagura
Alan K. Olson



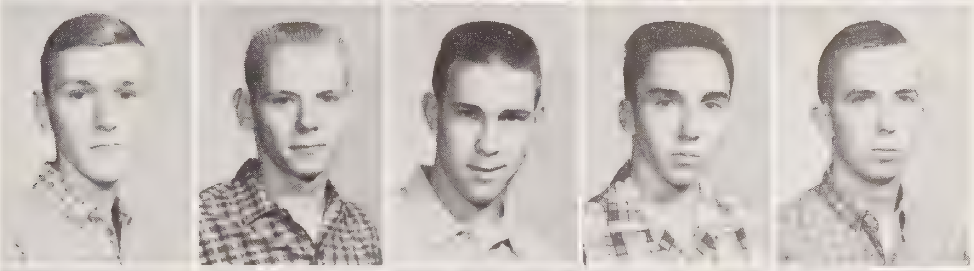
Henry R. Oestrike
Edward K. O'Brien
Joseph J. Nuzzo
Edward J. Nowacki
John R. Norris



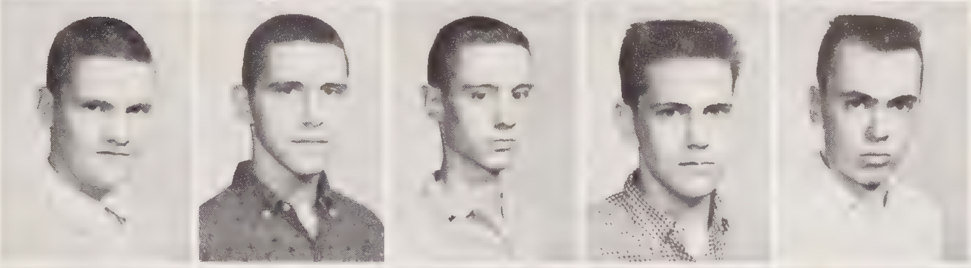
James W. Moyer
Lee R. Morrow
James B. Morehouse
Cheryl L. Mitchell
Darrell L. Millner



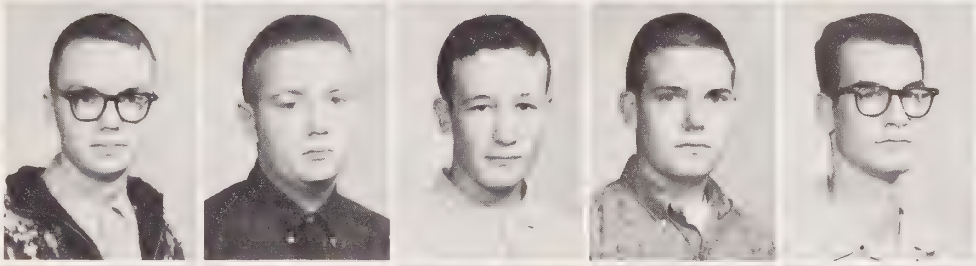
John A. Miller
Larry D. Michael
Timothy M. Meehan
Neil M. Matsumoto
Gary A. McIntyre



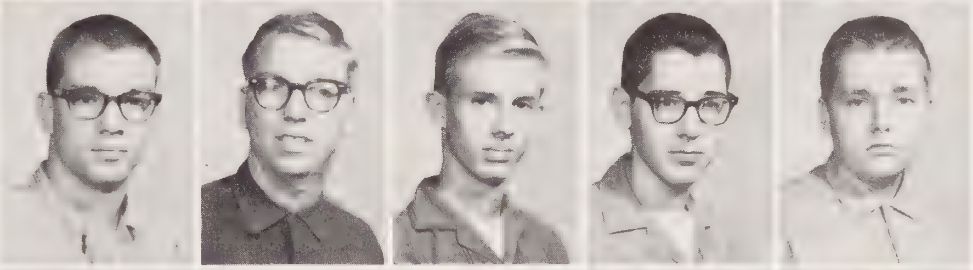
John H. McDaniel
John F. Lynn
Donald E. Lundgren
John W. Lueckel
Dennis C. Lind



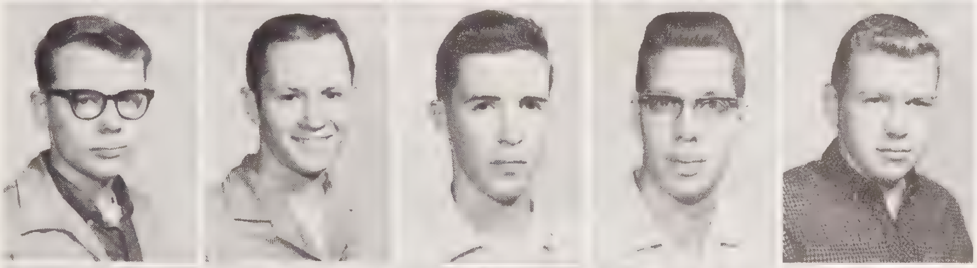
Robert F. Lewsader
William R. Lewis
Bruce E. LeRoy
David J. Leonard
Danny W. Lenz



James G. Larsen
William J. Lanke
James W. Lane, Jr.
Michael S. Lancet
Timothy A. Lake



Robert L. LaCroix, II
Jeffery I. Lackey
Bruce M. Lacey
Charles F. Kuester
Paul F. Kueber

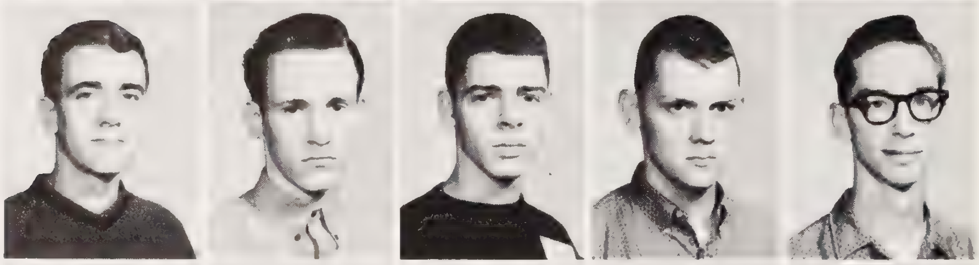


Douglas E. Krause
Dennis S. Kos
Gregory A. Kohl
John L. Klausman
James W. Kerber

Robert J. Keeler
Robert D. Kallay, Jr.
Max E. Joseph
Leslie S. Jordan
John A. Jones

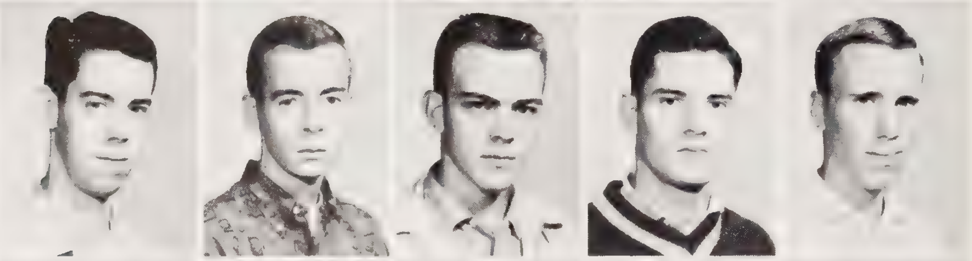
Bruce L. Johns, Jr.
Richard W. Johansen
Edwin W. Jirousek
Robert H. Jansma
Robert F. Illyes

Dallas G. Hustler
James T. Hunt
John P. Howlett
Dwight L. Holobaugh
Charles L. Holland



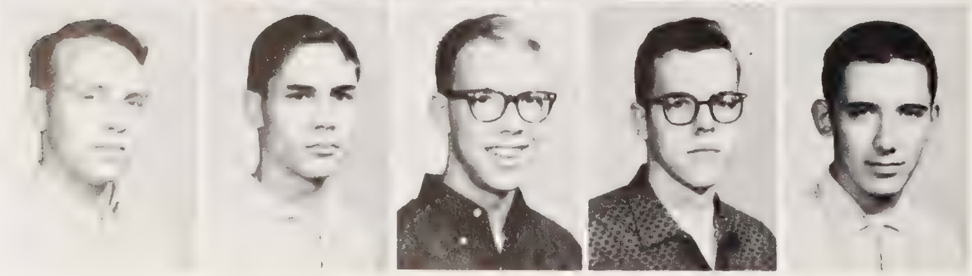
Stephen R. Hill
Thomas Herbick
Ronald L. Haun
Steven L. Hart
Leonard V. Hansen

Larry D. Halstead
John C. Hall
Allyn E. Haase
James W. Grosheider
Thomas H. Griffeth



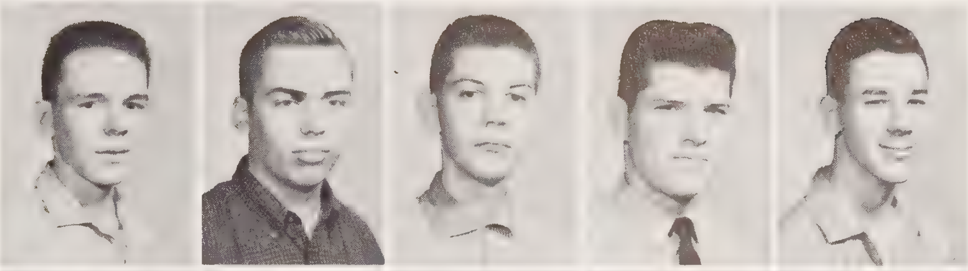
John W. Green
William R. Goodwin
Daniel J. Goodwin
William W. Gilmour
Dwight S. Garbe

Gary L. Funk
Gordon A. Francis
John A. Ford, III
Richard G. Foltz
Richard L. Floyd

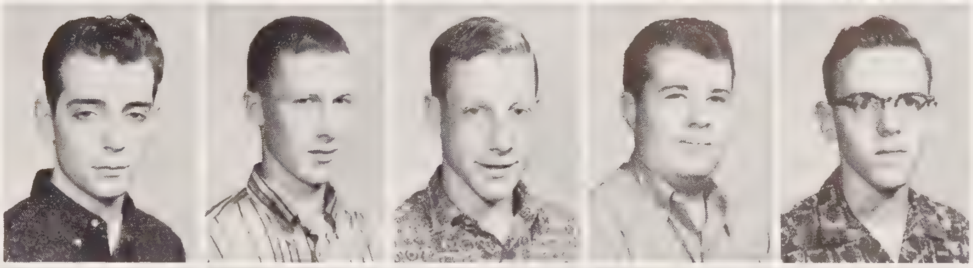


Thomas O. Ferguson
Robert E. Evans
Don H. Elliott
James L. Eddleman
Patric M. Dowdy

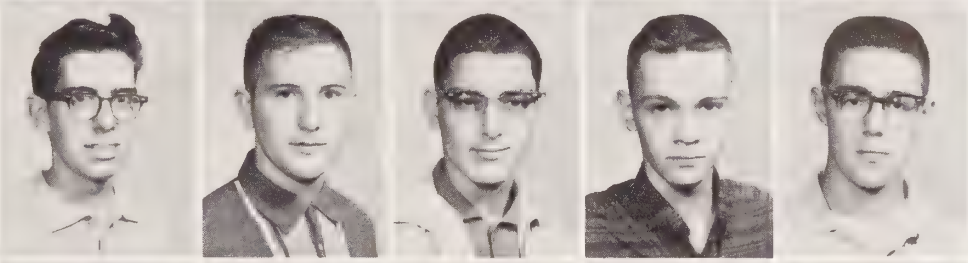
William R. Detering
John R. Delbauve
Darrell E. Deeds
Ronald A. Decker
James H. Decker



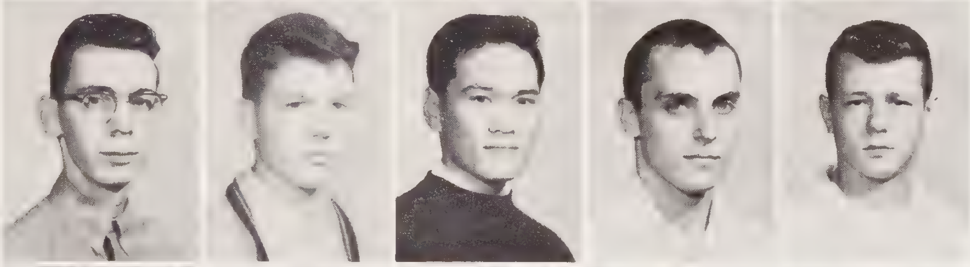
Jerry M. Davis
Thomas Daugherty
Stephen Daugherty
Robert W. Currie
William P. Crumrin



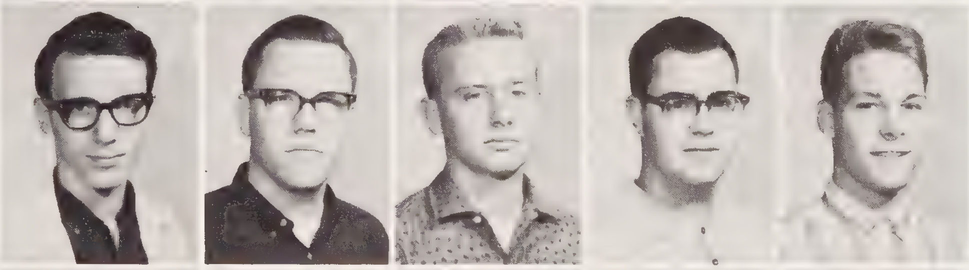
Donald D. Crowe
William H. Crossman
Rello L. Cristea, Jr.
Robert J. Crask
Joseph M. Corovino, Jr.



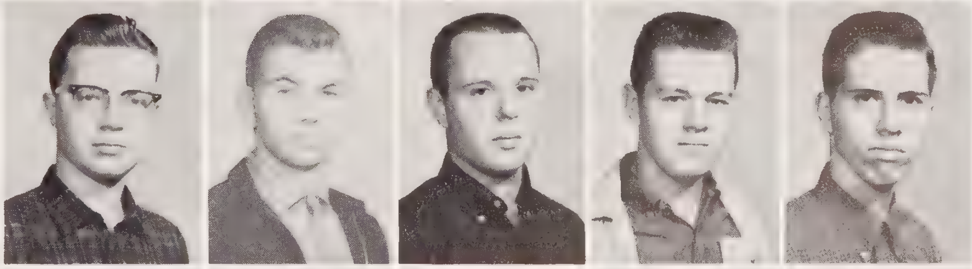
Raymond A. Collins
Steven P. Collier
Chester W. Choy-Hee
Stephen P. Chitwood
Thomas K. Carter



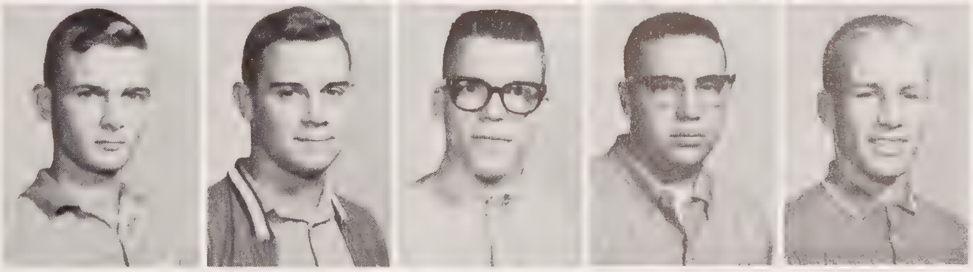
Phillip L. Carter
Paul B. Campbell
Ronald G. Buckner
Bryon G. Buck
Jeffery F. Brugos



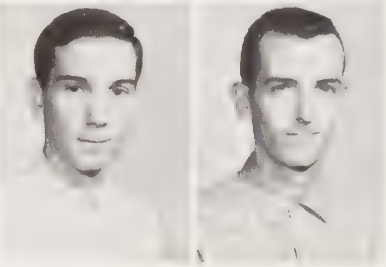
Thomas M. Bowman
Richard F. Bonelli, Jr.
William D. Bondy
James R. Bohler
Thomas C. Blickhahn



Milton Bird
William M. Bess
Dennis C. Berry
Gerald B. Bennett
Lawrence V. Beattys

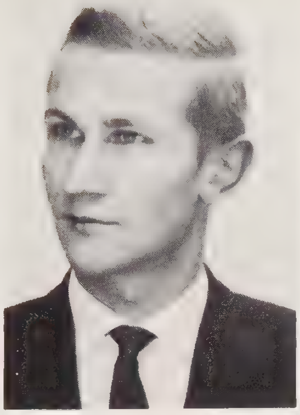


Jeffery A. Barton
Edward L. Barnes, Jr.
Donald J. Backys
William S. Ataras
Patrick T. Alden

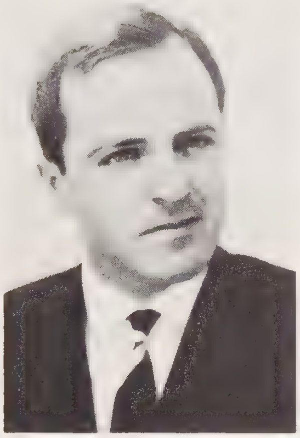


Steven R. Agal
Donald A. Adams

THE PUNCH LINE?



HELMUT GUENTNER
Oskar-von-Miller Polytechnikum; Munich, Germany.



ERNST MATERNA
School of Engineering of Machinery; Essen, Germany.

HANS-JUERGEN MAURER
Bohne Polytechnic Institute; Munich, Germany.

Rose Polytechnic Institute was the American host to three German stundents. Two mechanical engineering majors, Ernst Materna and Hans-Juergen Mauer, and one electrical engineering major, Helmut Guentner, came to study here during the second semester.

All three personally borrowed funds from the Carl Duisberg Society to study and work in the United States. One semester was spent attending school and the rest of their two year stay was spent working in some phase of industry.

They said that they picked Rose out of nine other colleges in the Duisberg Society program because they had heard such good comments about the school. Several of their friends and instructors recommended the Institute.

They narrated three films for the student body. These films gave a more inside look into Germany and the German people.

Ernst, Hans and Helmut turned out to be typical students. Over Easter vacation. two went to Florida and Helmut went to Chicago.

Talking over Germany are: Helmut, Hans, Manfred Franke, Ernst, Marv Barkes, Merle Rice and John Portlock.

ADVERTISING

Compliments of MERCHANTS NATIONAL BANK

7th & Wabash — Terre Haute, Indiana

We CONGRATULATE you, the members of the class of 1963, on the completion of your college course.

We WELCOME you into the select group of Rose Alumni.

We EXPECT you to continue the excellent tradition followed by Rose men everywhere of accepting responsibility toward your profession, your community, and your college.

We PROMISE to keep the standards of ROSE high so that you will always be proud of your Alma Mater.

THE FACULTY AND STAFF OF ROSE POLYTECHNIC INSTITUTE

Terre Haute, Indiana

TERRE HAUTE
FIRST
NATIONAL
BANK
47
85
TEMPERATURE

TERRE HAUTE FIRST NATIONAL BANK

TRIBUNE-STAR PUBLISHING COMPANY

Meadow Gold
SALES OFFICE

Everything for the Sportsman

McMillan
SPORTS
INC.

8th and Wabash

and in

MEADOWS CENTER

Compliments of

Hunter, Gillum & Hunter

HUNTER GILLUM & HUNTER

The Personal Service
Insurance Agency

Phones: C-1400 - C-3123
709 Wabash Avenue
TERRE HAUTE, INDIANA

The Blossom Shop

Flowers and Gifts

Tel. Crawford 0058

GLADYS C. POUND
CHARLES D. POUND
JACK D. POUND

Ohio at Gilbert Ave.

TERRE HAUTE, INDIANA

HENRI'S

Terre Haute's
Most Beautiful Restaurant

DINING ROOM AND CAR SERVICE

Compliments of

Felix Cleaners & Launderers

12th & Ohio Sts.

Meadows Cleaners

Meadows Center

For Complete Finance
and Insurance Service

INSURANCE
ALLEN & STEEN
FINANCING

ALLEN & STEEN ACCEPTANCE CO.
P. E. ALLEN INS. AGENCY, INC.

28th So. 8th **Phone C-0211**
Terre Haute, Indiana

The Polytechnic Book Shop

ROSE TECH
ROSE POLY
1922
HANDBOOK of CHEMISTRY and PHYSICS
43rd EDITION
Optics
mechanics
WEBSTER'S NEW WORLD DICTIONARY

NATIONAL ASSOCIATION OF COLLEGE STORES
N.A.C.S.
FOUNDED 1923

Books Novelties
Engineering Supplies
Drawing Instruments
Sweatshirts
Stationary

WIEMUTH & SON CO., INC.
1009 Wabash Avenue Terre Haute, Indiana

Wholesale Distributors

TOBACCO - CIGARS - CANDY - SUNDRIES

Franchised distributors for

Schrafft's - Brach's & Johnston's Candies

Phillies, Dutch Masters, Webster, Bering

and Wm. Penn Cigars

Richardson, Blackmans, Johnstons,

J. H. Smith & Coca Cola

Fountain Syrups & Supplies

Operators of Cigarette and Cigar

Vending Machines

Phones C-7160 C-8510

HI-GRADE
SMITH-ALSOP
PAINT AND VARNISH PRODUCTS

PAINT MANUFACTURERS
for
Home—Industry—Institutions
for
Over 50 Years

Factory and Main Offices
3rd and Big 4 R. R.
Terre Haute, Indiana

Compliments of

BORDEN'S MILK
and
ICE CREAM COMPANY

TERRE HAUTE
CONCRETE SUPPLY CORP.

Central-mixed concrete

Chas. P. O'Leary
President

10th & Chestnut St.

TERRE HAUTE, INDIANA

Family Rooms Special Parties

LOUISE'S

JACK and IDA CAMPBELL
Phone Crawford 4989

1849 South Third Street
TERRE HAUTE, IND.

WALTER L. OSMER, C.L.U.

Insurance Broker
310 Merchants Nat'l Bank Bldg.
TERRE HAUTE, IND.

Estate Plans — Employer Welfare
Plans — Pension Trust Service
Student Insurance Program

Compliments to the Class of 1963

STAR

PHONE L-6177

CLEANERS & LAUNDERERS

11TH ST. & LAFAYETTE AVENUE TERRE HAUTE, INDIANA

DRY CLEANING

SANITONE

SERVICE

At your service for the
Finest in Photography

MARTIN'S PHOTO SHOP

A dozen experienced
Photographers, Technicians
and other workers

MOORE-LANGEN
Printing and Publishing Co.

Phone Crawford 6035

140 North 6th Street
TERRE HAUTE, INDIANA

VALUE AND SERVICE

Paitson Bros

12th & WABASH

TERRE HAUTE SINCE 1922

Famous For®
STACKBURGER®

A Meal in Itself

673 WABASH
C-8065

2645 WABASH
C-9831

GREENCASTLE
1212 Bloomington St.
OL-3-9984

Compliments of

**POWELL-STEPHENSON
LUMBER CO.**

Quality Building Materials
and Hardware

**2723 South Seventh St.
TERRE HAUTE, IND.
L-6263**

Compliments of

NATIONWIDE FOOD SERVICE

Division of Automatic
Canteen Company of America

CONGRATULATIONS

This company and all of its employees extend best wishes for the future to all members of the class of 1963! Whatever you undertake in the years ahead, you can count on good, dependable electric service to help you reach your goals. Our policy of building ahead of demand assures an ample supply of electric power — year after year — for every need in our service area.

PUBLIC SERVICE COMPANY OF INDIANA, INC.

Investor-Owned Electric Light and Power Company

WADSWORTH
FURNACE CO.
ATING
AIR CONDITIONING
HOME INSULATION
SPEEDY 24 HOUR SERVICE

Buy from the company that takes the time to consider the engineering of your heating plant!

WADSWORTH FURNACE CO.

1230 Wabash Ave.
TERRE HAUTE, IND.
C-2319

681
McKIBBEN STREETER HARVEY, INC.
INSURANCE

R. B. HARVEY AGENCY, INC.

681 Ohio Street
TERRE HAUTE, IND.

At your service for the
Finest in Photography

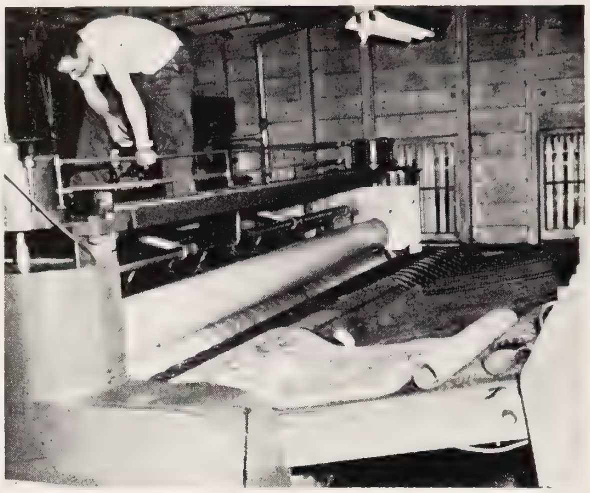
MARTIN'S PHOTO SHOP

A dozen experienced Photographers,
Technicians and other workers

Compliments of

ARMSTRONG-WALKER
LUMBER CO. INC.

Eleventh & Spruce Streets
C-3367
TERRE HAUTE, INDIANA



TERRE HAUTE
CARPET CLEANING
& RUG CO.

Complete Carpet and Rug Service

SINCE 1888

C-9531

6,000 Wabash Avenue, Terre Haute, Indiana

HOWARD
JOHNSON'S

"Landmark for Hungry Americans"

Ice Cream—Wonderful World
of 28 Flavors

Best Wishes to our good friends
and close neighbors

The Staff of Howard Johnson

Diamond Importers — Jewelry Manufacturers
Hillman JEWELERS
DOWNTOWN — 612 WABASH MEADOWS SHOPPING CENTER

- DIAMONDS
- JEWELRY
- CAMERAS
- CHINA
- WATCHES
- CRYSTAL
- RADIOS
- SILVER

AND 1,001 OTHER GIFTS

You Don't Need Cash!
Use Hillman's
Budget Pay Plan

Student Accounts Are Welcome

BUNTIN-CONLEY AGENCY
INSURANCE
BONDS
REAL ESTATE
BUNTIN-CONLEY AGENCY
INSURANCE
SURETY BONDS
REAL ESTATE
TRAVEL INSURANCE

BUNTIN-CONLEY AGENCY

Crawford 4388
29 South Seventh Street
Terre Haute, Indiana

Insurance — Real Estate

ONE HOUR "MARTINIZING"
THE "MOST" IN DRY CLEANING
One Hour "Martinizing"
The "Most" in Dry Cleaning

Compliments of

ONE-HOUR MARTINIZING CLEANERS

8th and Wabash

Complete Tuxedo Rental Service
For All Occasions

DRINK
Coca-Cola
10¢

WOODRIDGE MOTEL AND RESTAURANT

4545 Wabash on U.S. 40
one mile west of Rose Poly

C-9683 **24 Hour Service**

Member of Congress Motor Motels

SILVERSTEIN BROTHERS

BOWMAN DAIRY CO. INC.

HARDWARE SUPPLY CO. INC.

WABASH DISTRIBUTING CO. INC.

WALTER J. McGAHAN SALE REP.

LEE SCHOOL SUPPLY CO. INC.

PHELPS MANUFACTURING CO. INC.

Why Not Take A Shake Break and Make a Sundae Stop at
2626 South Seventh?

Dairy Queen
SERVING THE TREAT WITH THE CURL ON TOP FOR OVER 22 YEARS
AWARD
for
PURITY
QUALITY
SERVICE
1962

Dairy Queen

"COUNTRY-FRESH" FLAVOR TO MATCH THE "COUNTRY-FRESH" STORE

under the capable management of Marge & Dick Gough